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*"Always Reliable"*

FIREPOTS  
TORCHES  
PLUMBERS'  
TOOLS



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*Manufactured By*

**OTTO BERNZ CO. Inc.**

Rochester, N. Y., U. S. A.

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ESTABLISHED 1876

CATALOG NO. 65







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Otto Bernz Co., Inc. Established 1876 "Always Reliable" Mechanic's Tools Rochester, N. Y.

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*Torches*

*Firepots*

*Mechanic's Tools*

*Since 1876*



*"Always  
Reliable"*

Since 1876, plumbers' and mechanic's tools have been manufactured by the **Otto Bernz Co. Inc.** From a humble beginning the business has grown to require a modern manufacturing plant, equipped with the most up-to-date machinery.

**Otto Bernz** blow torches, firepots and plumbers' tools are the most efficient of any on the market because of the high quality workmanship and materials that enter into their production. These skilled workmen are backed by an engineering and research staff, which is a constant aid in the making of improvements and the further development of the art, so that **Otto Bernz** products always contain the most efficient features obtainable in a tool.

To avoid substitution of inferior imitations (of which there are many), we wish to caution purchasers not to accept anything but **Otto Bernz** tools, sold under the trade mark of "*Always Reliable*," and not to accept any product sold as "Just as good." This trademark, "*Always Reliable*," is known throughout the world for reliability and superiority.

**GUARANTEE:**—Because of the high quality workmanship and materials that enter into our torches and furnaces, which are rigidly tested before leaving our factory, we guarantee all tools manufactured by ourselves against any defects in workmanship and materials. This policy, since the birth of the Company, has always been liberal. To insure prompt adjustment, we recommend all claims for replacement to be made direct to the factory.

**Otto Bernz Co., Inc.**  
Rochester, N. Y., U. S. A.

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Established 1876  
**Otto Bernz Co., Inc.** "Always Reliable" Mechanic's Tools **Rochester, N. Y.**

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# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

## "ALWAYS RELIABLE" GASOLINE - KEROSENE - ALCOHOL TORCHES Fully Guaranteed

BERNZ "ALWAYS RELIABLE" torches are well known to the trade since 1876 for their high quality and durability. They are manufactured by skilled workers from the best of materials obtainable and are air, water and fire tested before shipped; therefore, are fully guaranteed.

An able engineering staff is maintained to enable the "ALWAYS RELIABLE" products to be the best tools of their kind in perfection and design. Constant research has enabled the Otto Bernz Company to patent many valuable features with which our torches are equipped. These features will not be found in any other make torch.

A torch has been developed for every possible purpose and for every trade, including plumbing, heating, electrical, tin-smithing, metal working, public utilities, repair shops and for industrial use. The illustrations on these pages represent only a few. A great many special designs have been developed for special purposes and our engineering staff will be glad to make specific recommendations for any special problems.

A complete line is manufactured, enabling the jobber and user to make a wide selection for any general purpose and we would call attention to the fact that even our lowest priced torch meets with the rigid United States Navy Specifications.

The high quality of our product has made the name "OTTO BERNZ" synonymous with the word "Torch" in Japan and elsewhere, where the name of the company manufacturing the tool has now become part of the language.

### BURNERS

All gasoline and kerosene burners are manufactured from a specially prepared high grade composition of bronze made to our own specifications so as to withstand the intense heat. They are scientifically designed so as to reduce carbonization to a minimum. The generating chambers are of the underflow type, so constructed as to properly vaporize the fuel, thus insuring an intense, hot, blue flame.

Except for the Nos. 87 and 88 Torches, a protecting windshield is furnished to permit the burner to properly preheat quickly, so that the torch can be ignited quickly in any inclement weather. This also permits all BERNZ torches to be used out of doors even in a heavy wind. All torches are equipped with ample size drip cups to permit preheating of tool without unnecessary delay.

All needles are made extra heavy of  $\frac{1}{4}$ " steel rod and are equipped with a large size stuffing box nut, properly packed. The "A" type torches are equipped with a removable slender-type, self-cleaning needle, which automatically cleans the burner orifice each time the torch is used. All other torches are either equipped with a blunt needle or a square shoulder type needle, to prevent enlargement of the orifice. Except for the Nos. 83, 84, 87, 88 and 91 Torches, all models are equipped with a removable burner block, the orifice of which cannot be enlarged. On all other type torches with a removable burner block, a patented folding pocket with three extra cleaning needles is furnished. These are not furnished on "A" type torches as they are not necessary since they are self cleaning.

All gasoline and kerosene torches are equipped with the BERNZ "KEEP COOL" type valve handle, made of the best quality bakelite, which will not become hot, thus preventing the burning of a mechanic's hand. This bakelite wheel is reinforced in the center with an extra large steel knurled bushing to make same durable and prevent the valve handle from becoming loose.

Burners are fitted with a seamless steel nipple and dip tube to prevent leaks at the seams. All burners are equipped with a copper wire gauze strainer to prevent foreign substances from entering into the generating chamber.

Soldering iron hooks are furnished of cast bronze that can be unscrewed when not required.

### PUMPS

The famous "OTTO BERNZ" patented heavy, durable "NEVER LEAK" type pump is furnished on all gasoline and kerosene torches. The pump plunger screws down and out of the way, preventing it from becoming damaged while the torch is in use. When plunger is screwed down, the needle point at the bottom of the pump acts as a positive check valve. By merely screwing down the plunger, the torch can still be used, even though the automatic check valve should get out of order. This is an important added safety feature to prevent accidents due to a leaky valve and insures dependability.

All quart and pint torches are equipped with an exceptionally large, strong pump, the cylinder of which is  $\frac{7}{8}$ " in diameter by approximately 4" long, so as to make it unnecessary to keep constantly pumping up the torch in order to hold pressure.

The top of the pump cylinder is flared, enabling the user to insert the plunger without injuring the washer. The pump bushing furnished is heavy and securely soldered or brazed in the tank.

### RESERVOIRS

One-pint, one-quart and two-quart torch tanks and bottoms are made of very heavy drawn sheet brass of the highest quality. The inside of the reservoir is reinforced with heavy bronze braces to furnish additional strength.

The handle is held together by heavy strong cast bronze brackets and securely riveted and soldered to the tank to eliminate leakage at these points.

Inclined (slant) handles are furnished on quart and pint torches, in which the pump is fitted into the reservoir. This permits the torch to be held and used without fatigue and furnishes a comfortable grip to a mechanic with large hands. On models in which the pump is located in the handle, the handles furnished are of brass.

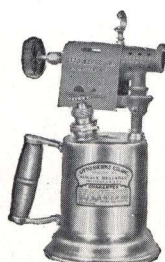
The bottoms of all pint and quart torches have a reinforcing bead. They are funnel-shaped and equipped with a large filler plug to permit quick and safe re-filling without spilling the fuel.

All bushings and lead washers are unusually heavy, so as to give long life and service and to eliminate leakage.

All torches with brass tanks are highly polished and lacquered to present an attractive appearance, which finish is usually found only in the very highest priced torches.

Quart size torches can, on special order, be furnished with steel tanks to utility companies and customers who prefer a steel instead of a brass reservoir.

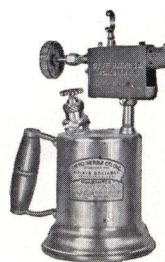
Unlike other competitive torches, the three-quart and one-gallon capacity torches are equipped with heavy drawn seamless steel tanks in which all the bushings are brazed and all joints welded. POSITIVELY NO SOFT SOLDER IS USED. The steel reservoir has a funnel to simplify filling and the filler plug has a patented "DUST PROOF" cap to prevent dust or dirt from flowing or being washed into the tank. All torches with steel tanks are given an attractive sprayed red enamel finish.



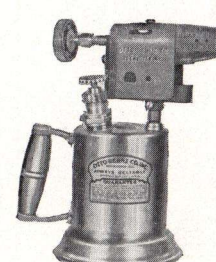
No. 79A—1 Quart  
No. 80A—1 Pint



No. 83A—1 Quart  
No. 84A—1 Pint



No. 87A—1 Quart  
No. 88A—1 Pint



No. 500A—1 Quart  
No. 250A—1 Pint

SEE OTHER SIDE FOR DESCRIPTION OF "A" TYPE TORCHES



# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

Established 1876

## GASOLINE, KEROSENE AND ALCOHOL TORCHES

Torch No.	Capacity	Weight Lbs.	Fuel	TORCHES RECOMMENDED FOR PLUMBING, ELECTRICAL, PAINTING AND ALLIED TRADES
10	1/4-Pt.	3/4	Alcohol	Popular amongst <i>electricians, radio workers, laboratories</i> and others who require a <i>small fine flame</i> . Blowpipe is adjustable to fit work to be performed, and has rubber tube and hard rubber mouthpiece attached. Cap screws over burner; prevents evaporation of fuel.
30	1/4-Pt.	3/4	Alcohol	Best (patented) <i>self-generating alcohol torch</i> made. Produces an <i>intense blue flame</i> . Burns when held at any angle. Furnished with two nozzles; one for large and one for small pointed flame. Equipped with removable burner block. Top of reservoir is concave and answers as priming cup. Vent screw to relieve and control pressure. Equipped with safety cap to prevent evaporation of fuel. Handle folds around reservoir out of way or can be used as stand. Torch has holder for spare nozzle. A necessity for electrical workers. <i>Most practical SELF-BLOWING alcohol torch marketed and no awkward candle flame preheating</i> is necessary to keep the torch generating.
50	1 Qt.	4	Gas.	Fitted with patented, flat, two-piece bronze burner, so arranged to be easily taken apart if necessary. Equipped with windshield for use out of doors. Needle has square shoulder point to prevent enlargement of orifice. Equipped with "KEEP COOL" bakelite valve wheel. Specially designed for use by painters who want a wide flat flame for removing paint, and also for use by foundries and others requiring a broad, fan-shaped flame.
83	1-Qt.	4	Gas.	Two-piece burner which can be easily taken apart for cleaning whenever necessary. Equipped with brass windshield. The needle point has a square shoulder to prevent orifice from being enlarged. The patented construction produces an intense, <i>hot flame</i> , particularly desired by plumbers, painters, and other mechanics. This is a <i>low-priced torch of quality</i> .
83A	1-Qt.	4 1/4	Gas.	Similar to the No. 83, but in addition, has a REMOVABLE SLENDER TYPE CLEANING NEEDLE that automatically cleans the burner orifice each time the torch is used. The burner is also equipped with a large protecting shield that enables burner to be quickly preheated out of doors in windy weather.
84	1-Pt.	3 1/4	Gas.	Same as No. 83, except that reservoir is <i>pint size</i> and a smaller burner is furnished. Same degree of heat produced.
84A	1-Pt.	3 1/2	Gas.	Same as No. 83-A, except that burner is slightly smaller in size and HAS A REMOVABLE SLENDER TYPE SELF-CLEANING NEEDLE, that cleans the orifice every time torch is used. The same degree of heat is produced. Reservoir is <i>pint size</i> .
87	1-Qt.	4	Gas.	One-piece <i>long tapered style burner</i> with cast vaporizing chamber in nozzle. Because of its <i>scientific construction</i> , the fuel is perfectly vaporized and results in an <i>intense, steady, blue flame</i> . Very economical in fuel consumption. Meets with rigid specifications of the United States Navy and recommended for most <i>all industrial requirements</i> . One of the most <i>popular torches</i> amongst <i>plumbers and other mechanics</i> in the United States and foreign countries. This is a <i>low priced torch of high quality</i> not to be confused with other so-called "tools" selling for same price.
87A	1-Qt.	4 1/4	Gas.	The burner is the same style as the No. 87 but it also has in addition the REMOVABLE SLENDER TYPE SELF-CLEANING NEEDLE and large protecting shield. These features permit quick preheating in windy weather, and <i>retard carbonization</i> , as the orifice is <i>automatically cleaned</i> every time torch is used.
88	1-Pt.	3	Gas.	Same as No. 87, except that reservoir is <i>pint size</i> , and smaller size burner is furnished. Recommended wherever a smaller flame and reservoir are required.
88A	1-Pt.	3 1/4	Gas.	Same as the No. 87A except that reservoir is <i>pint size</i> . Burner is smaller in size and has a REMOVABLE SLENDER TYPE SELF-CLEANING NEEDLE that cleans burner every time torch is used. The same flame and intense heat are produced as with the No. 87A.
500A	1-Qt.	4 3/4	Gas. or Ker.	Patented two-piece burner developed especially for use in <i>connection with copper pipe and "sweat" fittings</i> . Produces a <i>long, blue flame of even heat</i> . Tapered burner is larger than usually used on ordinary quart torches and has a large protecting wind-proof shield, so that torch can be used and ignited quickly even in a heavy wind. EQUIPPED WITH A REMOVABLE SLENDER TYPE SELF-CLEANING NEEDLE, which automatically cleans orifice every time torch is used. Large drip cup permits quick preheating. Orifice in removable burner block cannot be enlarged. Approved by manufacturers of "sweat" fittings as an ideal torch for this purpose. <i>Long full flame of even heat</i> permits proper joining of metals that is difficult to secure with acetylene torches.
250A	1-Pt.	3 1/4	Gas. or Ker.	Similar in construction to the No. 500A, except that reservoir is <i>pint size</i> and a smaller burner that produces a slightly smaller flame of approximately the same heat is furnished and EQUIPPED ALSO WITH A REMOVABLE SLENDER TYPE SELF-CLEANING NEEDLE which automatically cleans orifice every time torch is used.



No. 10—1/4 Pint Alcohol



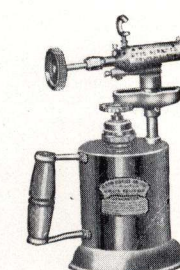
No. 30—1/4 Pint Alcohol



No. 50—1 Quart (Flat Burner)



No. 83—1 Quart  
No. 84—1 Pint



No. 87—1 Quart  
No. 88—1 Pint



# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

Established 1876

## GASOLINE AND KEROSENE TORCHES (Cont.)

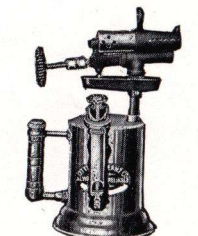
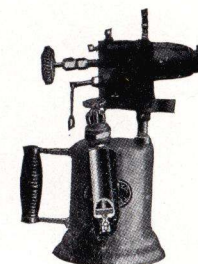
Torch No.	Capacity	Weight Lbs.	Fuel	GASOLINE AND KEROSENE TORCHES RECOMMENDED FOR PUBLIC UTILITIES, RAILROADS, TELEPHONE AND INDUSTRIAL TRADES
6	1-Pt.	4 $\frac{1}{4}$	Gas. or Ker.	Convenient <i>flat shape</i> makes torch easy to carry in tool kit or use in crowded space. Tank is reinforced at top and bottom with heavy bronze castings. <i>Patented tapered burner</i> is of two-piece construction similar to our No. 79 Torch and is easy to clean. Pump located in handle. Orifice in removable burner block cannot be enlarged. An adjustable support on the bottom of tank prevents torch from tipping.
6C	1-Pt.	3 $\frac{3}{4}$	Gas.	Same as No. 6, except that it is fitted with a two-piece burner similar to our No. 83. For gasoline use only.
31	1-Qt.	4 $\frac{3}{4}$	Gas. or Ker.	Patented two-piece burner is <i>extra large</i> and is <i>tapered at end of nozzle</i> . Produces a large sized intense hot flame <i>suitable for brazing</i> . Orifice cannot be enlarged. Non-removable, double stuffing box nut prevents unscrewing needle completely. Furnished with patented pocket and three cleaning needles. <i>Large protecting shield</i> permits burner to be preheated outdoors even in windy weather.
79	1-Qt.	4 $\frac{1}{2}$	Gas. or Ker.	One of the most popular of <i>high grade torches</i> offered at a <i>reasonable price</i> . Patented burner is <i>tapered style</i> and of two-piece construction, allowing it to be easily taken apart for cleaning. Produces a <i>perfect blue, hot flame in short time</i> . Equipped with removable burner block, the orifice of which cannot be enlarged. Needle valve has non-removable double stuffing box nut which prevents needle from being unscrewed completely. Furnished with patented pocket and three cleaning needles.
79A	1-Qt.	4 $\frac{1}{2}$	Gas. or Ker.	This torch embodies all the fine features of the No. 79, and has also in addition the <b>SLENDER TYPE REMOVABLE SELF-CLEANING NEEDLE</b> that <i>automatically cleans the orifice</i> each time the torch is used. Furnished with removable burner block in which orifice cannot be enlarged. Burner also has a large protecting <i>wind-shield</i> to permit quick preheating in windy weather. Particularly recommended to those who desire the <i>best in a torch</i> .
80	1-Pt.	3 $\frac{1}{2}$	Gas. or Ker.	Same as the No. 79, except burner is slightly smaller in size and <i>reservoir is pint size</i> . Same degree of heat produced.
80A	1-Pt.	3 $\frac{1}{2}$	Gas. or Ker.	Same as the No. 79-A, except burner is slightly smaller in size and <b>HAS A REMOVABLE SLENDER TYPE SELF-CLEANING NEEDLE</b> . Reservoir is <i>pint size</i> . Same degree of heat produced.
91	1-Qt.	4 $\frac{3}{4}$	Gas.	Fitted with new improved patented burner, which <i>will burn indefinitely without carbonizing by occasionally turning looped handle to right</i> . The carbon is then loosened and is forced through orifice in form of sparks. Nozzle of malleable iron. <b>REMOVABLE SLENDER TYPE SELF-CLEANING NEEDLE</b> <i>cleans orifice every time torch is used</i> . Non-removable double stuffing box nut prevents unscrewing of needle completely. Recommended to mechanics and utilities who want a scientifically made burner with a unique coil burner construction that permits maximum efficiency with a minimum of attention. <i>Flame can be turned down very low and still be under perfect control</i> .



No. 6—1 Pint



No. 31—1 Quart

No. 79—1 Quart  
No. 80—1 Pint

No. 91—1 Quart

No. 97 Sprayer  
1 Quart

## SPRAYERS

**SPRAYERS FOR EXTERMINATING AND DISINFECTING COMPANIES, AUTO AND ELECTRIC MOTOR REPAIR MECHANICS, TELEPHONE AND PUBLIC UTILITY COMPANIES AND FOR SPRAYING FLOWERS**

No. 95 Sprayer  
1 Quart

**NO. 95 STREAM AND SPRAY CLEANER**—This is a stream and spray cleaner of new and improved construction. Operates with one hand. Easily changed from stream to spray cleaner by screwing in spray plug at end of nozzle. Automatic shut-off when lever is released. Inclined (slant) handle furnished. Highly polished lacquered, seamless drawn brass tank, same as that furnished on famous "BERNZ" torches. Equipped with patented  $\frac{1}{8}$ " "NEVER LEAK" pump, plunger of which screws down and out of way and also acts as positive check so that machine can still be used if check valve should not function. All parts brass so as not to be affected by majority of fluids used. Capacity 1 Quart. Net Weight 2 $\frac{7}{8}$  lbs.

**NO. 97 STREAM CLEANER**—Similar to the No. 95, except equipped with special bronze composition nozzle of simple construction and substantial valve for stream only. A very popular sprayer for many years. Pump and reservoir like No. 95 machine, described above. Both machines ideal for cleaning oil, grease, dust and dirt from intricate machines and electrical apparatus; and for exterminating bugs and insects. Capacity 1 Quart. Net Weight 2 $\frac{1}{2}$  lbs.



# Otto Bernz Co., Inc. Established 1876 "Always Reliable" Mechanic's Tools Rochester, N. Y.

## GASOLINE AND KEROSENE TORCHES (Cont.)

Torch No.	Capacity	Weight Lbs.	Fuel	EXTRA LARGE GASOLINE AND KEROSENE TORCHES FOR SPECIAL PURPOSES WHERE LARGER CAPACITY AND FLAME ARE DESIRED
82	2-Qt.	8 $\frac{3}{4}$	Gas. or Ker.	Reservoir has capacity of two quarts. Patented extra large two-piece burner is tapered and produces a long and very hot blue flame. Reinforced on inside with additional braces. Burner is equipped with removable burner block and blunt burner needle—no orifice to be enlarged. Handle is especially designed and constructed for two quart reservoir and is conveniently placed to permit ease in carrying. Patented pocket with three extra cleaning needles placed in container, provided for that purpose under handle. Powerful extra heavy pump furnished.
82B	3-Qt.	9	Gas. or Ker.	Equipped with same burner as the No. 82 Torch. Reservoir is made of extra heavy seamless drawn steel and has a capacity of three quarts. All bushings are brazed, all joints are welded. NO SOFT SOLDER USED. Reservoir is finished with a sprayed red enamel, as on our firepots, and has funnel to simplify filling. Filler plug has patented "DUST PROOF" cap to prevent dust and dirt being washed into tank.
82C	1-Gal.	10 $\frac{1}{2}$	Gas. or Ker.	Same as the No. 82-B, except that heavy drawn seamless steel reservoir furnished has a capacity of one gallon.
92	2-Qt.	7	Gas. or Ker.	Heavy brass reservoir has a capacity of two quarts. Patented, seamless coil type steel burner with malleable nozzle produces a large diameter intense flame about 18" long. Carbonization reduced to a minimum. Burns about 500 hours without requiring a cleaning. Orifice in removable burner block cannot be enlarged. The entirely new style burner is simple in construction and can easily be taken apart. Very compact. Recommended for machine shops, foundries, repair shops, garages, industrial firms, public utilities, boiler shops and breweries, for preheating, annealing, brazing, tempering hardening; and charring vats. This powerful torch is safe, economical and dependable.
92B	3-Gal. or	12	Gas. or	Has same burner as the No. 92, except for reservoir, which can be furnished with capacity of three or five gallons and is made of strong copper bearing galvanized steel. Tank can also be furnished at slight extra cost of sheet brass. Six feet of 5-ply oil resisting extension hose is furnished. Shoulder strap makes it convenient to carry. Powerful 2" pump with all metal check valve. Especially valuable for out of door work to municipalities and railroads for thawing out frozen switches, couplers, car wheels, pipe lines, valves and hydrants, for the melting of ice and snow, and for others requiring a large, long flame of intense heat. For cut of tank see No. 93.
92C	5-Gal.	15	Ker.	
93	3-Gal. or	11	Gas. or	Patented coil type steel burner produces a large intensely hot flame. Burner equipped with patented spoon feed type flame deflector and flame control so that any size flame can be had. Burner coil of seamless steel with malleable iron nozzle is so shaped as to throw wide flame. All parts easily taken apart for replacement. Equipped with slender type automatic cleanout needle for orifice which cannot be enlarged. Burns several hundred hours without cleaning. Unbreakable drip pan of malleable iron. Powerful 2" pump with metal check valve. Strong copper bearing galvanized steel reservoir has adjustable shoulder strap and three feet of 5-ply special oil resisting hose. Reservoir at extra cost can be furnished of sheet brass. Especially recommended for destroying weeds and grass from orchards, fences, roads, driveways and tennis courts, forest fires, and as a disinfecting torch by poultry and animal raisers. Also recommended for outdoor use by railroads, for thawing out frozen switches, car wheels, couplers and melting snow and ice, and also for use by municipalities for thawing out frozen water pipe lines, hydrants, etc.
93C	5-Gal.	14	Ker.	
Banjo	1-Gal.	3 $\frac{1}{2}$	Gas.	For lighting and purposes of illumination. Reservoir made of heavy tin and is enameled. Burner produces a light equivalent to about ten ordinary gas lights. Uses very little fuel. Popular with circuses, sideshows, out-door vendors, push carts, railroads, out-door contractors, foundries, etc.



No. 82—2 Quarts



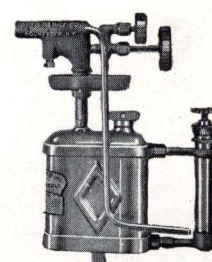
No. 92—2 Quarts



No. 93—3 Gallon



Banjo—1 Gallon



No. 98 Leak Detector  
1 Pint—Alcohol

### Leak Detectors

**NO. 98 LEAK DETECTOR**—This gas leak detector was developed to detect leaks in connection with chlorinated hydrocarbon refrigerants, used in connection with electric refrigerators. For use with alcohol as a fuel. Burner especially designed for this purpose and so constructed that burner syphons air supply through rubber tube. When end of rubber tube is held near a leaky joint color of torch flame changes from blue to green. Convenient flat shaped tank makes detector easy to use in a crowded space. Equipped with patented "NEVER LEAK" pump in handle. Has extra valve to adjust size of flame besides supply valve. Brass syphon tube to burner furnished, to which rubber tube is attached. In use by largest manufacturers of electric refrigerators. Capacity 1 Pint. Net Weight 3 $\frac{1}{4}$  lbs.



# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

## "ALWAYS RELIABLE" GASOLINE AND KEROSENE FIREPOTS

### Fully Guaranteed

The "ALWAYS RELIABLE" Firepots manufactured by the OTTO BERNZ COMPANY INC., like the torches, have earned a high reputation for quality and durability. They have been standard with the trade since 1876. The many patented and improved features are the result of years of constant research by our able engineering staff. Many of these patented features are not found in any other make firepot and we welcome the opportunity to make special recommendations for any special problems. The illustrations shown represent only a few of the firepots which we manufacture for every possible purpose, including plumbing, heating, electrical, tinsmithing, telephone companies, public utilities, repair shops and industrial use. The complete line manufactured enables a user and jobber to make a wide selection for any purpose.

The patented burners are of an entirely new style and are designed to be safe and economical from the standpoint of service and fuel consumption. They are constructed so as to be easily and quickly cleaned and to give long burner life without clogging. Many of these burners are equipped with our patented spoon feed device, control valve and automatic removable slender type cleaning needle. The furnaces recommended for the public utilities have patented burners which burn over 500 hours when used with kerosene and indefinitely when gasoline is used as the fuel. They are unequalled in efficiency and economy.

The powerful pumps used on our firepots are the BERNZ patented "NEVER LEAK" type, fully described in our torch circular. These pumps are heavier than that usually furnished on other make firepots, measuring  $\frac{1}{8}$ " diameter by 4" long, or 1" diameter by  $6\frac{1}{2}$ " long, depending upon the style firepot ordered.

Particular attention is directed to the exceptionally strong reservoir furnished on "ALWAYS RELIABLE" firepots. The tanks and bottoms are made of heavy seamless drawn steel. The pump, filler plug and shut off valve bushings are extra heavy and brazed to the tank. All bottoms are welded. **POSITIVELY NO SOFT SOLDER USED.** A malleable iron plate (patented) is brazed to the reservoir, to hold the extra heavy steel uprights to carry and evenly distribute load, which in addition, eliminates the possibility of leaks and also eliminates three openings at the top of the reservoir. An extra protecting ring is welded to the bottom of all reservoirs to give protection at bottom against wear. All reservoirs are equipped with a funnel to simplify and permit safe filling, and the filler plug is equipped with our patented "DUST PROOF" cap that prevents dust or dirt from flowing or being washed into the tank. All steel uprights are exceptionally strong and the reinforced top plates are extra heavy, being made of malleable iron. Arrangement is provided to shield the heat from top of reservoir, to keep tank cool. Burner shields are made of heavy sheet steel in special styles to fit the various purposes for which the firepots are used. All firepots are furnished with heavy seamless drawn steel top shields of varying sizes up to 10" in diameter, to fit the special purposes of the various type firepots.

"ALWAYS RELIABLE" firepots are easily recognized by their attractive and serviceable sprayed red enamel finish.

Furnace No.	Capacity	FIREPOTS RECOMMENDED FOR PLUMBERS, STEAM FITTERS, TINSMITHS, SHEET METAL WORKERS AND OTHER MECHANICS
39	1-Gal.	Same as No. 40 Furnace described below, except fitted with brass air valve and rubber bulb instead of pump. Air valve equipped with stuffing box nut to prevent leaks. FOR GASOLINE. NET WEIGHT 11 LBS.
40	1-Gal.	Patented improved regular coil type furnace with "NEVER LEAK" pump. Equipped with new style reinforced, patented, cut-out malleable iron top plate, which permits entire generating assembly unit (connecting tee, coil, ell and burner), to be removed by merely unscrewing union on supply valve. Coil made of $\frac{1}{8}$ " extra heavy seamless steel pipe. Dished steel overflow plate keeps heat from reservoir. Can be lowered to lift coil cup out without unscrewing nuts. Fitted with heavy one-piece sheet steel shield. FOR GASOLINE. NET WEIGHT 11 LBS.
43	$\frac{3}{4}$ -Gal.	Similar to the No. 40 Furnace except that reservoir has capacity of three quarts and is equipped with a brass air valve and rubber bulb instead of pump. Air valve equipped with stuffing box nut to prevent leaks. FOR GASOLINE. NET WEIGHT 10 LBS.
44	$\frac{3}{4}$ -Gal.	Similar to the No. 40 Furnace with pump, except that reservoir has capacity of three quarts. Embodies same patented features. Recommended where a smaller and lower priced article is desired. FOR GASOLINE. NET WEIGHT 10 LBS.
45	1-Gal.	Same as the No. 46 Furnace described below except fitted with brass air valve with stuffing box nut and rubber bulb instead of pump. Many mechanics still prefer the bulb style furnace to that of the pump style. FOR GASOLINE. NET WEIGHT $11\frac{1}{2}$ LBS.
46	1-Gal.	Similar to the No. 40 Furnace with pump, but in addition is equipped with the patented FLAME CONTROL VALVE and AUTOMATIC CLEANING NEEDLE. Permits mechanic to control flame to any exact flame required. Slender-type self-cleaning needle automatically cleans burner orifice each time the furnace is used, and keeps the orifice in the removable burner block open at all times. The orifice cannot be enlarged. These improvements result in saving of time and fuel, greater efficiency and less wear and tear. We highly recommend its use and predict the rapid elimination of the ordinary coil furnace, once mechanics place it in general use. FOR GASOLINE. NET WEIGHT 14 LBS.
47	1-Gal.	Similar to the No. 46 Furnace with pump, except fitted with COMBINATION SHIELD FOR MELTING METAL AND HEATING SOLDERING COPPERS at the same time. Recommended to tinsmiths and sheet metal workers. FOR GASOLINE. NET WEIGHT 14 LBS.
48	1-Gal.	Similar to the No. 46 Furnace with pump, except FITTED WITH LARGE MALLEABLE TOP PLATE AND HEAVY $9\frac{1}{4}$ " SHEET STEEL SHIELD so as to accommodate a large pot. Recommended to plumbers and mechanics requiring a large capacity furnace. FOR GASOLINE. NET WEIGHT 16 LBS.



No. 40 Pump  
No. 39 Bulb  
1 Gallon Gasoline



No. 44 Pump  
No. 43 Bulb  
 $\frac{3}{4}$  Gallon Gasoline



No. 46 Pump  
No. 45 Bulb  
1 Gallon Gasoline



# Otto Bernz Co., Inc. Established 1876 Rochester, N. Y.

"Always Reliable" Mechanic's Tools

## "ALWAYS RELIABLE" GASOLINE AND KEROSENE FIREPOTS (Cont.)

Furnace No.	Capacity	FIREPOTS RECOMMENDED FOR PLUMBERS, STEAM FITTERS, TINSMITHS' SHEET METAL WORKERS AND OTHER MECHANICS (Continued)	
90	1-Gal.	Latest improved TINSMITH'S FURNACE, of an exceptional high quality and design. Has a burner of entirely new construction (patented). The small handle at left of burner valve wheel loosens carbon in burner when it is turned to the right. The pressure forces particles of carbon through orifice in form of sparks. <i>Removable slender type self-cleaning needle</i> in valve keeps burner orifice open at all times. Burner is on swivel and adjustable, and will give a hot, blue flame indefinitely before cleaning is necessary. Novel construction permits burner coil pipe of seamless steel to be replaced quickly and at a low cost, when necessary. Burner and clean-out needles have non-removable stuffing box nuts. Heats heavy soldering irons and pot of metal at same time. Flame directed at heel of soldering irons avoiding trouble of burning off tin. Entire top section easily removed, thereby exposing open flame so furnace can be used for many special purposes and as a torch. Burns with strong wide blue flame in windy and inclement weather. FOR GASOLINE. NET WEIGHT 14 LBS.	 No. 90—1 Gallon Gasoline
		<b>FIREPOTS RECOMMENDED FOR PUBLIC UTILITIES, TELEPHONE AND RAILROAD COMPANIES AND FOR INDUSTRIAL PURPOSES</b>	
30	1-Gal.	Burner is of a new style construction (patent applied for), which is unequalled for efficiency and economy in operation. <i>Burns kerosene for about 500 hours and gasoline indefinitely</i> without carbonizing. Seamless steel burner pipe can be quickly changed to give burner additional long life. Top plate has attachment for holding soldering irons. Simple construction permits any mechanic to take it apart quickly, and so save loss of time and annoyances of shut down. Powerful 1" pump with "T" shaped handle for convenient pumping. Regular size heavy one-piece seamless sheet steel shield furnished. Completely enclosed burner has shield which protects burner from wind in bad weather. Shield has door arranged so as to get at burner conveniently. Constructed extra heavy throughout for durability. Starts in two minutes, melts metal and heats soldering irons quickly. FOR KEROSENE OR GASOLINE. NET WEIGHT 14 LBS.	 No. 30—1 Gallon Gasoline-Kerosene
31	1-Gal.	Same as the No. 30 Furnace with pump, except EQUIPPED WITH COMBINATION SHIELD FOR MELTING METAL AND HEATING SOLDERING COPPERS AT THE SAME TIME. Also recommended for tinsmiths, roofers, sheet metal workers and steam fitters. FOR GASOLINE OR KEROSENE. NET WEIGHT 17½ LBS.	
32	1-Gal.	Similar to the No. 30 Furnace with pump described above. EQUIPPED WITH EXTRA LARGE MALLEABLE TOP PLATE AND 9¼" HEAVY SHEET STEEL SHIELD, of same construction as tank. One of the most popular firepots used by telephone and public utility companies. FOR GASOLINE OR KEROSENE. NET WEIGHT 20 LBS.	 No. 32—1 Gallon Gasoline-Kerosene
52	1-Gal.	<i>Rugged. Durable. Efficient.</i> Latest improved furnace and considered the <i>best money can buy</i> . Also known as " <i>JUMBO</i> " by many telephone companies and large public utilities who are rapidly adopting it as standard. This firepot will give exceptional performance in all weather under the most severe conditions. Also recommended to railroad and industrial firms who must have the <i>utmost in firepot perfection</i> . Burner is similar in general design to No. 30 furnace. Produces a very large, intensely hot flame, which quickly melts solder, paraffin, insulating compound, lead, etc. <i>New type burner (patented) will burn about 500 hours without cleaning</i> . Constructed with special coil that can be replaced at insignificant cost. Not necessary to purchase a complete burner—a replacement coil makes burner good as new. <i>Large burner shield and heavy malleable iron top plate assembled in complete single unit</i> . This protecting housing is so attached to reservoir that by <i>merely releasing</i> convenient (patented) <i>bayonet lock</i> , it can be quickly disengaged to permit removal of entire <i>superstructure in one operation</i> ; thus exposing burner and allowing furnace to be used for many special purposes. Burner shield fitted with door gives easy access to burner. <i>Heavy 10" sheet steel top shield furnished</i> , which when removed permits soldering irons to be heated. Top plate has solder iron rest. Heavy, powerful 1" pump furnished with "T" handle to facilitate pumping. When furnished for kerosene, an effective relief valve is furnished. <i>Convenient height makes furnace particularly desirable for mechanics working in manholes</i> . FOR GASOLINE OR KEROSENE. NET WEIGHT 21 LBS.	 No. 52 (Jumbo) 1 Gallon Gasoline-Kerosene
70	1-Gal.	Has exceptionally large patented two-piece burner on swivel, so that powerful flame can be directed to object being heated. Burner needle is blunt. No orifice to be enlarged. Non-removable stuffing box nut prevents user from unscrewing needle completely. Handle conveniently placed to permit ease in carrying. Patented folding pocket with three cleaning needles furnished in special holder which is located in handle. Powerful 1" pump with "T" handle for convenient pumping, plunger of which screws out of way. Pressure gauge attached to reservoir. Recommended for railroad companies, utility companies, garages and machine shops. This burner is <i>especially suitable for brazing and pre-heating work</i> for welding and the straightening out of heavy objects such as axles, shafts and automobile frames, which repairs can be done while objects are in place without taking work apart. FOR GASOLINE OR KEROSENE. NET WEIGHT 14½ LBS.	 No. 70—1 Gallon Gasoline-Kerosene



# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

## REGULAR MELTING LADLES

### Plate No. 111

Iron handles are welded to bowls. Bowls are wrought iron. Double lipped style always furnished unless single lipped style is specified.



CAT. NUMBER	111-A	111-B	111-C	111-D	111-E	111-F	111-G	111-H	111-I	111-J	111-K	111-L
Outside diameter, in.....	2½	3	3½	4	5	6	6 E.H.	7	8	9	10	12
Outside depth, in.....	1¼	1½	1⅝	1¾	2½	2¾	3⅛	3⅞	3½	4	4	6¼
Handle, inches.....	12	12	16	16	21	21	26	27	27½	37	37½	45
Capacity, lbs.....	1¼	2¼	3	4¼	10¼	14¼	14¼	21	27½	40	50	130
Weight, per doz., lbs.....	6	6¼	11	13	26	32	62	74	88	128	152	276



## SOCKET HANDLE MELTING LADLES

### Plate No. 235

Iron handles are riveted to bowls. Bowls are wrought iron. Double lipped style always furnished unless single lipped style is specified.

CAT. NUMBER	235-A	235-B	235-C	235-D	235-E	235-F
Outside diameter, in.....	6	7	8	9	10	12
Outside depth, in.....	3½	3¾	4¼	4½	5	6¼
Handle, including socket, in.....	21	24	26	30	36	40
Capacity, lbs.....	15	26	45	57	80	130
Weight, per dozen, lbs.....	72	90	126	162	192	276



Made of good quality grey iron equipped with steel handles.

## POT HOOK

### Plate No. 136



Made from ⅝" iron rod. Weight per dozen 1½ lbs.

## SOLDER OR METAL POTS

### Plate No. 134

CAT. NUMBER	134-A	134-B	134-C	134-D	134-E	134-F
Diameter, in.....	4	5	6	6 E.H.	7	8
Depth, in.....	3	3¼	3¾	3⅞	4½	5
Capacity, lbs.....	7	13½	18½	23	28	46
Weight, each, lbs...	2½	2¾	4⅞	7¼	6½	9

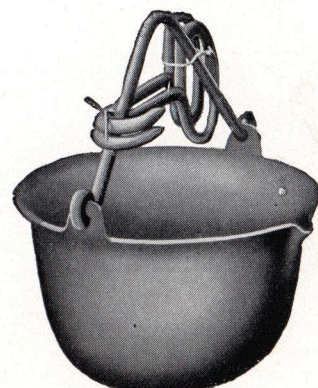
CAT. NUMBER	134-G	134-H	134-I	134-J	134-K	134-L
Diameter, in.....	9	10	12	13½	16¾	19
Depth, in.....	6	6¼	6½	7¼	7	9½
Capacity, lbs.....	55	92	157	166	200	325
Weight, each, lbs...	13½	16	28	43½	53	68

## POURING POTS

### Plate No. 135

Made from pressed steel. Furnished with 2 hooks.

CAT. NUMBER	135-A	135-B	135-C	135-D
Diameter, in.....	7	8	9	10
Depth, in.....	5	6	6¼	7
Capacity, lbs.....	35	60	100	125
Weight, each, lbs.....	4	4½	6½	12

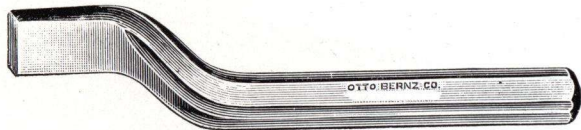




Established 1876

# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

## CHISELS



### Stub Caulking Chisels

Made from good octagon steel.

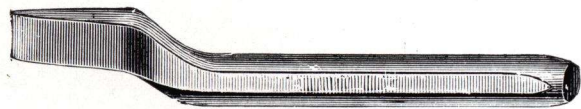
CAT. No.	Size	Weight Per Doz.	List Price
A-30	1 1/2"	6 lbs.	\$0.42 each
B-30	3/4"	9 lbs.	.45 each
C-30	3/4"	13 1/2 lbs.	.47 each



### Regular Caulking Chisels

Made from good octagon steel.

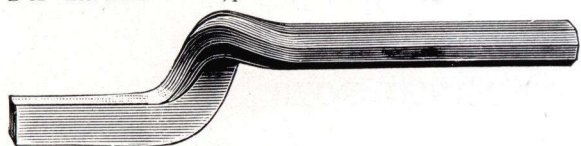
CAT. No.	Size	Weight Per Doz.	List Price
A-31	1 1/2"	6 lbs.	\$0.42 each
B-31	3/4"	9 lbs.	.45 each
C-31	3/4"	13 1/2 lbs.	.47 each



### Caulking Chisels with Small Offset

Made from good octagon steel.

CAT. No.	Size	Weight Per Doz.	List Price
A-32—Right Hand	8" x 5/8"	9 lbs.	\$0.45 each
B-32—Right Hand	8" x 3/4"	13 1/2 lbs.	.52 each
C-32—Left Hand	8" x 5/8"	9 lbs.	.45 each
D-32—Left Hand	8" x 3/4"	13 1/2 lbs.	.52 each



### Caulking Chisels with Large Offset

Made from good octagon steel.

CAT. No.	Size	Weight Per Doz.	List Price
A-33—Right Hand	10" x 5/8"	12 lbs.	\$0.78 each
B-33—Right Hand	10" x 3/4"	16 lbs.	.85 each
C-33—Left Hand	10" x 5/8"	12 lbs.	.78 each
D-33—Left Hand	10" x 3/4"	16 lbs.	.85 each



### Yarning Chisels

Made from good octagon steel.

CAT. No.	Size	Weight Per Doz.	List Price
A-34	1 1/2" x 10"	6 lbs.	\$0.42 each
B-34	1 1/2" x 15"	9 lbs.	.52 each
C-34	3/4" x 10"	9 lbs.	.45 each
D-34	3/4" x 15"	12 lbs.	.57 each
E-34	3/4" x 10"	12 lbs.	.52 each
F-34	3/4" x 15"	15 lbs.	.62 each



### Long Gasket Chisels

Made from good octagon steel.

CAT. No.	Size	Weight Per Doz.	List Price
A-35	9" x 5/8"	8 lbs.	\$0.57 each
B-35	9" x 3/4"	10 lbs.	.62 each



### Spring Packing Chisels

Made from best octagon tool steel.

CAT. No.	Size	Weight Per Doz.	List Price
A-36	1 1/2" x 12"	6 lbs.	\$0.85 each
B-36	1 1/2" x 18"	9 lbs.	.95 each



### Corner Caulking Chisel

Made from good octagon steel.

CAT. No.	Size	Weight Per Doz.	List Price
A-37	3/4" x 10"	12 lbs.	\$0.88 each



### Cape Chisels

Made from best octagon tool steel.

CAT. No.	Size	Weight Per Doz.	List Price
A-38	8 1/2" x 1 1/2"	6 lbs.	\$0.62 each
B-38	8 1/2" x 5/8"	9 lbs.	.68 each
C-38	8 1/2" x 3/4"	12 lbs.	.72 each



### Round Nose Chisel

Made from best octagon tool steel.

CAT. No.	Size	Weight Per Doz.	List Price
A-39	8 1/2" x 3/4"	12 lbs.	\$0.72 each



### Half Round Nose Chisel

Made from best octagon tool steel.

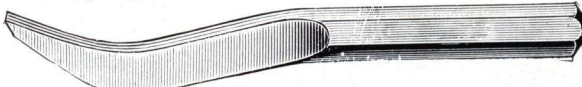
CAT. No.	Size	Weight Per Doz.	List Price
A-40	8 1/2" x 3/4"	12 lbs.	\$0.72 each



### Diamond Nose Chisel

Made from best octagon tool steel.

CAT. No.	Size	Weight Per Doz.	List Price
A-41	8 1/2" x 3/4"	12 lbs.	\$0.72 each



### Picking Chisel

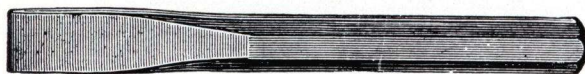
Made from best octagon tool steel.

CAT. No.	Size	Weight Per Doz.	List Price
A-42	8 1/2" x 3/4"	10 1/2 lbs.	\$0.75 each



# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

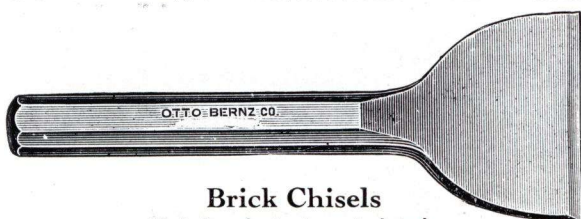
## CHISELS (Cont'd)



### Cold Chisels

Made from best octagon tool steel.

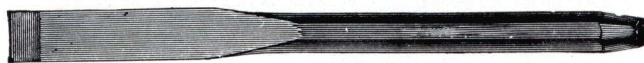
CAT. No.	Size	Face	Weight Per Doz.	List Price
A-43	1 1/2" x 6"	5/8"	3 1/2 lbs.	\$0.21 each
B-43	5/8" x 7"	3/4"	7 lbs.	.31 each
C-43	3/4" x 7"	7/8"	10 1/2 lbs.	.37 each
D-43	3/4" x 8"	7/8"	12 lbs.	.37 each
E-43	7/8" x 8"	1"	15 lbs.	.55 each
F-43	1" x 8"	1 1/8"	19 1/2 lbs.	.62 each
G-43	1" x 9"	1 1/8"	24 lbs.	.75 each



### Brick Chisels

Made from best octagon tool steel.

CAT. No.	Length	Face	Weight Per Doz.	List Price
A-44	8 1/2"	2 1/2"	9 lbs.	\$1.35 each
B-44	8 1/2"	3"	9 1/2 lbs.	1.35 each
C-44	8 1/2"	3 1/2"	10 1/2 lbs.	1.35 each
D-44	8 1/2"	4"	11 1/2 lbs.	1.35 each



### Wood Chisels

Made from best octagon tool steel.

CAT. No.	Size	Face	Weight Per Doz.	List Price
A-45	5/8" x 10"	1"	9 lbs.	\$0.72 each
B-45	3/4" x 11"	1 1/4"	14 lbs.	.95 each
C-45	3/4" x 12"	2"	18 lbs.	1.15 each



### Floor Chisels

Made from best octagon tool steel.

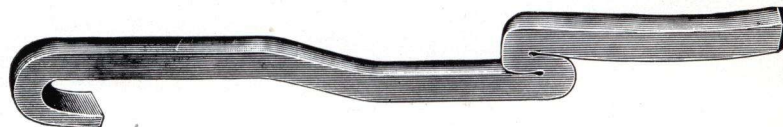
CAT. No.	Length	Face	Weight Per Doz.	List Price
A-47	12"	1 1/2"	18 lbs.	\$0.65 each
B-47	15"	2"	23 lbs.	.87 each
C-47	15"	2 1/2"	25 lbs.	1.35 each
D-47	15"	3"	32 lbs.	1.45 each
E-47	16"	3 1/2"	46 lbs.	1.67 each
F-47	16"	4"	49 lbs.	1.75 each



### Throat Iron

Made from good octagon steel.

CAT. No.	Size	Weight Per Doz.	List Price
A-51	3/4" x 6"	6 3/4 lbs.	\$0.80 each



### Ceiling Caulking Irons

Made from good octagon steel.

CAT. No.	Size	Weight Per Doz.	List Price
A-29	5/8" x 11"	16 lbs.	\$0.85 each
B-29	5/8" x 16"	20 lbs.	1.55 each

## FILES AND RASPS

### Plate No. 89

#### Flat Bastard Files

Made of special file steel.

CAT. No.	Size	Weight Per Doz.
89-A	8"	3 1/4 lbs.
89-B	10"	7 1/2 lbs.
89-C	12"	12 1/2 lbs.
89-D	14"	19 3/4 lbs.



### Plate No. 90

#### Half Round Bastard Files

Made of special file steel.

CAT. No.	Size	Weight Per Doz.
90-A	8"	3 1/2 lbs.
90-B	10"	6 1/4 lbs.
90-C	12"	10 3/4 lbs.
90-D	14"	17 1/4 lbs.



### Plate No. 91

#### Flat Plumbers' Rasps

Made from crucible steel.

CAT. No.	Size	Weight Per Doz.
91-A	8"	3 1/2 lbs.
91-B	10"	7 1/2 lbs.
91-C	12"	12 1/2 lbs.
91-D	14"	20 1/4 lbs.



### Plate No. 92

#### Half Round Plumbers' Rasps

Made from crucible steel.

CAT. No.	Size	Weight Per Doz.
92-A	8"	3 1/2 lbs.
92-B	10"	6 3/4 lbs.
92-C	12"	11 1/4 lbs.
92-D	14"	17 lbs.



### Plate No. 93

#### Handle for Files and Rasps

Plain wood style with steel ferrule.

CAT. No.	Size	Weight Per Doz.
93	5 1/2"	1 1/2 lbs.

PRICES SHOWN ARE LIST. SEE CURRENT NET PRICE LIST FOR DISCOUNT.



# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

## DELAWARE TOOLS

The "DELAWARE" tools are made from a special, high grade tool steel and are intended for mechanics who desire the very best. They are unequalled for toughness and wear-resisting qualities. Each tool is manufactured, tempered, and finished by the most modern and improved methods, under the close supervision of skilled workers. They are known to the trade as the most economical tools to buy, on account of their durability, strength, and service rendered.



**Bent Picking Chisel**

CAT. No.	Size	Weight Per Doz.	List Price
1	$\frac{5}{8}$ " x $7\frac{1}{2}$ "	6 $\frac{1}{2}$ lbs.	\$0.78 each



**Brick Chisels**

CAT. No.	Size	Weight Per Doz.	List Price
2	$\frac{1}{2}$ " x 10"	7 $\frac{1}{2}$ lbs.	\$0.60 each
3	$\frac{5}{8}$ " x 12"	12 lbs.	.75 each
3 $\frac{1}{2}$	$\frac{5}{8}$ " x 24"	24 lbs.	1.25 each



**Cape Chisel**

CAT. No.	Size	Weight Per Doz.	List Price
4	$\frac{1}{2}$ " x 7"	4 lbs.	\$0.40 each

NOTE—Any special sizes can be furnished to order.



**Ceiling Caulking Iron**

CAT. No.	Size	Weight Per Doz.	List Price
5	14" long	13 lbs.	\$2.00 each



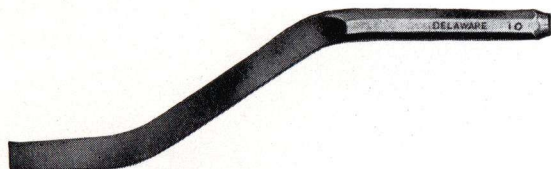
**Caulking Irons—Double**

CAT. No.	Size	Weight Per Doz.	List Price
6	$\frac{5}{8}$ " x 9"	8 lbs.	\$0.85 each
7	$\frac{5}{8}$ " x 16"	12 lbs.	1.20 each



**Caulking Irons—Bent**

CAT. No.	Kind	Size	Weight Per Doz.	List Price
8	Outside	$\frac{5}{8}$ " x 6"	7 lbs.	\$0.72 each
9	Inside	$\frac{5}{8}$ " x 6"	7 lbs.	.72 each



**Caulking Irons**

CAT. No.	Kind	Size	Weight Per Doz.	List Price
10	Left Hand Offset	$\frac{5}{8}$ " x 11"	8 $\frac{1}{2}$ lbs.	\$0.95 each
11	Right Hand Offset	$\frac{5}{8}$ " x 11"	8 $\frac{1}{2}$ lbs.	.95 each



**Caulking Iron**

CAT. No.	Kind	Size	Weight Per Doz.	List Price
12	Regular	$\frac{5}{8}$ " x $8\frac{3}{4}$ "	8 lbs.	\$0.72 each



**Caulking Iron**

CAT. No.	Kind	Size	Weight Per Doz.	List Price
13	Short	$\frac{5}{8}$ " x $7\frac{3}{4}$ "	7 lbs.	\$0.72 each



**Caulking Irons**

CAT. No.	Kind	Size	Weight Per Doz.	List Price
14	Stub (inside)	$\frac{5}{8}$ " x 5"	5 $\frac{1}{2}$ lbs.	\$0.62 each
15	Stub (outside)	$\frac{5}{8}$ " x 5"	5 $\frac{1}{2}$ lbs.	.62 each



**Caulking Iron**

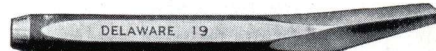
CAT. No.	Kind	Weight Per Doz.	List Price
16	"S" Shape	12 lbs.	\$1.20 each



**Cold Chisels**

CAT. No.	Size	Weight Per Doz.	List Price
17	$\frac{1}{2}$ " x $5\frac{1}{2}$ "	3 $\frac{1}{2}$ lbs.	\$0.35 each
17A	$\frac{3}{4}$ " x $7\frac{1}{2}$ "	9 lbs.	.65 each
18	$\frac{7}{8}$ " x 8"	15 lbs.	.80 each
18A	1" x 8"	15 $\frac{1}{2}$ lbs.	1.20 each

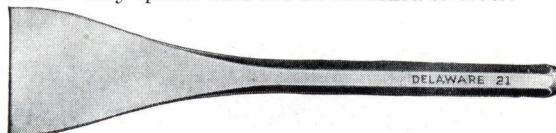
NOTE—Any special sizes can be furnished to order.



**Diamond Pt. Chisel**

CAT. No.	Size	Weight Per Doz.	List Price
19	$\frac{5}{8}$ " x 7"	6 $\frac{1}{2}$ lbs.	\$0.55 each

NOTE—Any special sizes can be furnished to order.



**Floor Chisels**

CAT. No.	Size	Weight Per Doz.	List Price
20	$\frac{5}{8}$ " x 10"—2-inch blade	11 lbs.	\$1.00 each
21	$\frac{5}{8}$ " x 10"—2 $\frac{1}{2}$ -inch blade	12 lbs.	1.10 each
22	$\frac{3}{4}$ " x 12"—3 $\frac{1}{4}$ -inch blade	24 lbs.	1.40 each

PRICES SHOWN ARE LIST. SEE CURRENT NET PRICE LIST FOR DISCOUNT.



# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

## DELAWARE TOOLS



### Gasket Iron

CAT. No.	Kind	Size	Weight Per Doz.	List Price
23	Yarner	$\frac{5}{8}$ " x 7"	6½ lbs.	\$0.70 each



### Gasket Irons

CAT. No.	Kind	Size	Weight Per Doz.	List Price
24	Yarner	$\frac{5}{8}$ " x 12"	10 lbs.	\$0.90 each
25	Yarner	$\frac{5}{8}$ " x 14"	11 lbs.	1.00 each
26	Yarner	$\frac{5}{8}$ " x 16"	12 lbs.	1.20 each



### Gasket Iron

CAT. No.	Kind	Size	Weight Per Doz.	List Price
27	Spring Yarner	$\frac{5}{8}$ " x 18"	12 lbs.	\$1.18 each



### Packing Chisel

CAT. No.	Kind	Size	Weight Per Doz.	List Price
28	Heavy Curved	$\frac{5}{8}$ " x 7½" — 1½" blade	8 lbs.	\$0.72 each



### Round Nose Chisel

CAT. No.	Size	Weight Per Doz.	List Price
29	$\frac{5}{8}$ " x 7"	6½ lbs.	\$0.55 each

NOTE—Any special sizes can be furnished to order.



### Star Drills

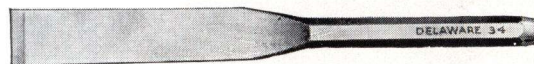
CAT. No.	Cut	Length	Weight Per Doz.	List Price
30	1"	x 12"	18 lbs.	\$0.95 each
30½	1"	x 24"	36 lbs.	1.35 each
31	$\frac{3}{4}$ "	x 12"	9½ lbs.	.75 each
31-A	$\frac{3}{8}$ "	x 12"	2¼ lbs.	.45 each
31-B	$\frac{1}{2}$ "	x 12"	4½ lbs.	.55 each
31-C	$\frac{5}{8}$ "	x 12"	8 lbs.	.65 each
31-D	$\frac{7}{8}$ "	x 12"	15 lbs.	.85 each

NOTE—All sizes and lengths of standard star drills can be shipped from stock.



### Straight Joint Chisel

CAT. No.	Size	Weight Per Doz.	List Price
32	$\frac{1}{2}$ " x 10"	7½ lbs.	\$0.72 each



### Wood Chisels

CAT. No.	Size	Weight Per Doz.	List Price
33	$\frac{3}{4}$ " x 10"	8 lbs.	\$0.85 each
33½	$\frac{1}{2}$ " x 10"	4½ lbs.	.60 each
34	1" x 10½"	11 lbs.	1.00 each
34½	1¼" x 10½"	12 lbs.	1.10 each



### Wood Gouges

CAT. No.	Kind	Size	Weight Per Doz.	List Price
35	Outside Bevel	1½" x 10"	11 lbs.	\$1.25 each
35½	Inside Bevel	1½" x 10"	11 lbs.	1.25 each



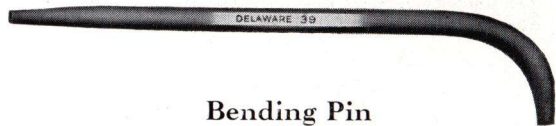
### Caulking Irons

CAT. No.	Kind	Size	Weight Per Doz.	List Price
36	Outside	$\frac{5}{8}$ " x 7"	6½ lbs.	\$0.72 each
37	Inside	$\frac{5}{8}$ " x 7"	6½ lbs.	.72 each



### Closet Spud Wrenches

CAT. No.	Spud Sizes	Weight Per Doz.	List Price
38	1¼" and 2"	14 lbs.	\$1.25 each
38-A	1½" and 2"	14 lbs.	1.25 each



### Bending Pin

CAT. No.	Size	Weight Per Doz.	List Price
39	$\frac{1}{2}$ " x 12"	8½ lbs.	\$0.52 each



### Wrecking Bars

CAT. No.	Size	Weight Per Doz.	List Price
40	$\frac{3}{4}$ " x 24"	40 lbs.	\$2.00 each
40-A	$\frac{5}{8}$ " x 18"	20 lbs.	1.40 each



### Pipe Swedging Tools

CAT. No.	Size	Weight Per Doz.	List Price
41	1¼, 1½, 1¾ Combination	12 lbs.	\$1.50 each
42	2" only	8 lbs.	1.00 each



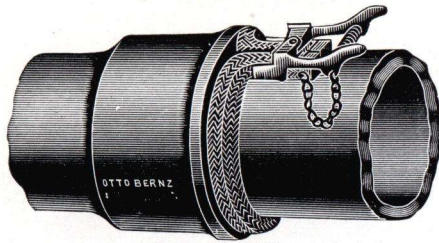
PRICES SHOWN ARE LIST. SEE CURRENT NET PRICE LIST FOR DISCOUNT.



Established 1876

# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

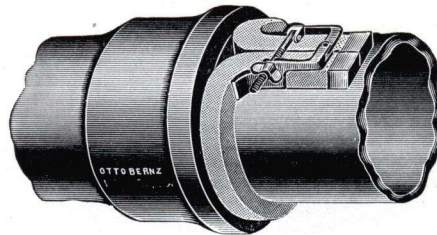
**Plate No. 109**  
(SPRING CLAMP)



## JOINT RUNNERS

All joint runners are made of best and finest quality asbestos. They have two woven jackets and an asbestos core. Clamps are made of malleable iron to insure long life.

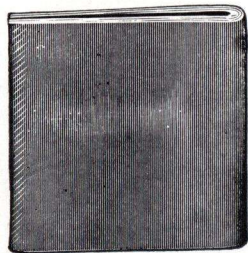
**Plate No. 110**  
(SCREW CLAMP)



Size No.	Cat. No.	Size Pipe Inches	Weight Each Lbs.	Size Packing Inches	Type Clamp
1	109-A	2, 3 and 4	1 1/8	3/4	Spring
2	109-B	4, 5 and 6	1 3/8	3/4	Spring
3	109-C	6, 8 and 10	2 3/4	1	Spring
4	109-D	10, 12 and 14	3 1/4	1	Spring
5	110-A	16, 18 and 20	6	1 1/4	Screw
6	110-B	24	6 1/2	1 1/4	Screw
7	110-C	30	7	1 1/4	Screw
8	110-D	36	9	1 1/4	Screw
9	110-E	42	10	1 1/4	Screw
10	110-F	48	10 1/2	1 1/4	Screw

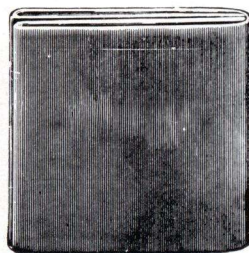
## MOLESKIN WIPING CLOTHS

**Plate No. 221**



Regular style.  
Made in 6 ply.

**Plate No. 222**



Sewed like ticking style.  
Made in 8 ply.

Made of a high grade moleskin.

Size	Cat. No.	Weight Per Doz.	Size	Cat. No.	Weight Per Doz.
2" x 2"	221-A	3 oz.	2" x 2"	222-A	4 oz.
2 1/2" x 2 1/2"	221-B	4 oz.	2 1/2" x 2 1/2"	222-B	6 oz.
3" x 3"	221-C	6 oz.	3" x 3"	222-C	8 oz.
3 1/2" x 3 1/2"	221-D	8 oz.	3 1/2" x 3 1/2"	222-D	10 oz.
4" x 4"	221-E	10 oz.	4" x 4"	222-E	12 oz.

## TICKING WIPING CLOTHS

**Plate No. 223**



Regular ticking.  
Made in 16 ply.

**Plate No. 224**



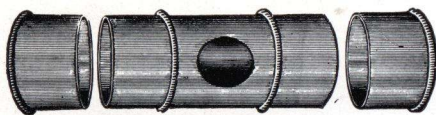
Herringbone ticking.  
Made in 16 ply.

Made of good quality ticking.

Size	Cat. No.	Weight Per Doz.	Size	Cat. No.	Weight Per Doz.
2" x 2"	223-A	6 oz.	2" x 2"	224-A	6 oz.
2 1/2" x 2 1/2"	223-B	10 oz.	2 1/2" x 2 1/2"	224-B	10 oz.
3" x 3"	223-C	13 oz.	3" x 3"	224-C	13 oz.
3 1/2" x 3 1/2"	223-D	18 oz.	3 1/2" x 3 1/2"	224-D	18 oz.
4" x 4"	223-E	22 oz.	4" x 4"	224-E	22 oz.

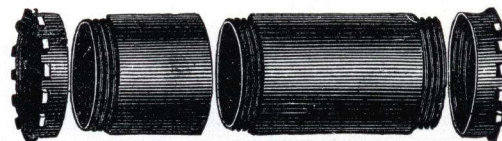
Special sizes made to order.

## GREASE AND ROSIN BOXES



**Plate No. 97.** Made of spun brass.

These boxes are highly polished.



**Plate No. 98.** Made of cast brass.

Size	Cat. No.	Weight Per Doz.
Small	97-A	7 lbs.
Medium	97-B	8 lbs.
Large	97-C	9 lbs.

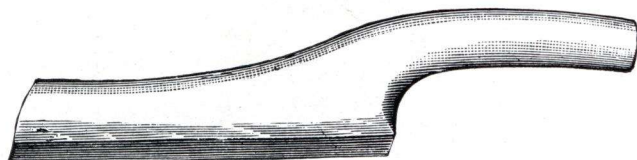
Size	Cat. No.	Weight per Doz.
Two Part	98-A	12 lbs.
Three Part	98-B	19 lbs.



# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

## DRESSERS

Plate No. 84



MADE OF

DOGWOOD, BOXWOOD AND LIGNUM VITAE

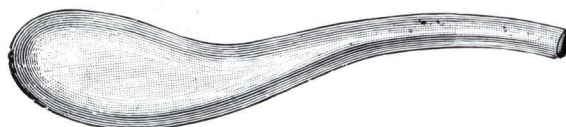
All dressers measure 13 1/4" overall, 8" face, 1 7/8" wide. Dogwood dressers can also be furnished 16" overall, 9 1/2" face, 2 1/4" wide. Weight per dozen 18 lbs.

WEIGHT PER DOZEN

DOGWOOD	BOXWOOD	LIGNUM VITAE
11 lbs.	12 lbs.	13 lbs.

## BOSSING STICKS

Plate No. 15



WEIGHT PER DOZEN

DOGWOOD	BOXWOOD
13 lbs.	14 lbs.

## SAND PLUGS

Plate No. 154



Made of Dogwood

Cat. No.	Size	Weight Per Doz.
154-A.....	1"	5 lbs.
154-B.....	1 1/4"	6 1/4 lbs.
154-C.....	1 1/2"	7 1/2 lbs.
154-D.....	2"	19 lbs.

## TURN PINS

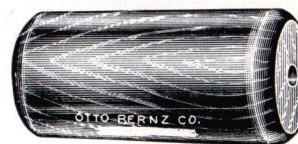
Plate No. 195



Cat. No.	Size No.	Size Inches	Kind	Weight Per Doz.
195-A	1	2 to 2 1/4	Dogwood	3 lbs.
195-B	2	2 1/4 to 2 3/4	Dogwood	3 3/4 lbs.
195-C	3	2 3/4 to 3	Dogwood	4 1/2 lbs.
195-D	1	2 to 2 1/4	Boxwood	3 1/4 lbs.
195-E	2	2 1/4 to 2 3/4	Boxwood	4 lbs.
195-F	3	2 3/4 to 3	Boxwood	4 3/4 lbs.
195-G	1	2 to 2 1/4	Lignum Vitae	4 lbs.
195-H	2	2 1/4 to 2 3/4	Lignum Vitae	5 1/2 lbs.
195-I	3	2 3/4 to 3	Lignum Vitae	7 1/2 lbs.

## DRIFT PLUGS

Plate No. 85



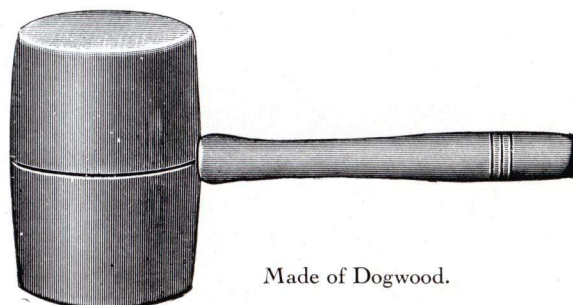
MADE OF

DOGWOOD, BOXWOOD AND LIGNUM VITAE

Sizes 1", 1 1/4", 1 1/2" and 2". Larger sizes made to order. Weights vary according to diameters and kind of wood.

## MALLET

Plate No. 114



Made of Dogwood.

Measures 3" by 6". Weight per dozen 18 lbs.

## SIDE EDGERS

Plate No. 171



Weight per dozen.

DOGWOOD	BOXWOOD
3 1/2 lbs.	4 lbs.

## KINKING IRON

Plate No. 50

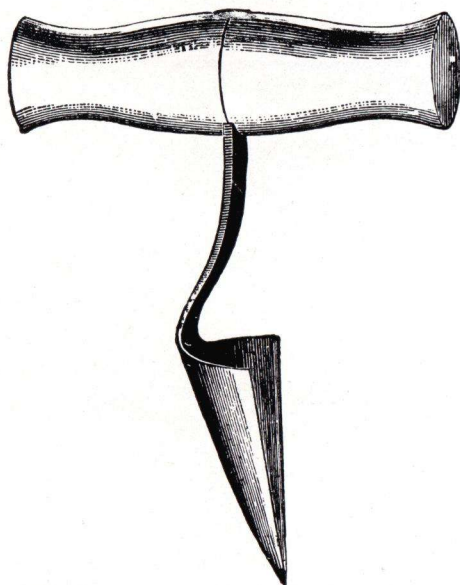


Made of 9/16" round steel, 12" long. Weight per dozen 12 lbs.



# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

Plate No. 184



New York Style

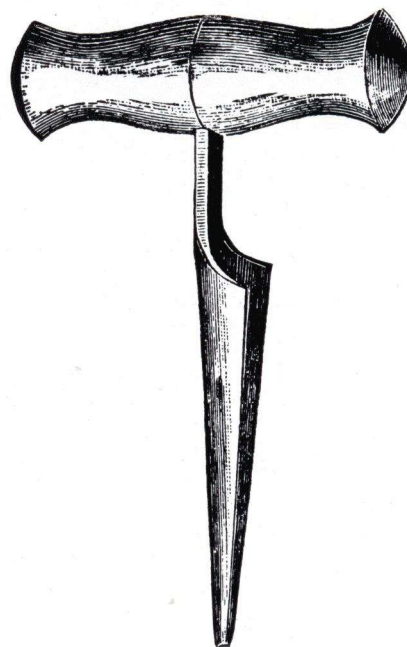
## TAP BORERS

Made of crucible annealed spring steel and fitted with varnished wood handle.

CAT. No. 184  
NEW YORK STYLE  
Weight, per dozen 3 lbs.

CAT. No. 185  
PHILADELPHIA STYLE  
Weight, per dozen 4 lbs.

Plate No. 185



Philadelphia Style

## LEAD PIPE EXPANDING PLIER

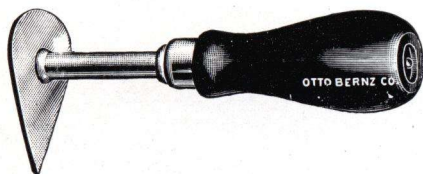
Plate No. 142



Strongly made of a high grade heavy pressed steel.  
Weight, each 1½ lbs.

## SHAVE HOOKS

Plate No. 164

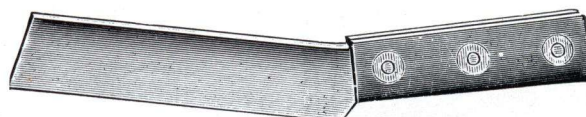


Blades are made of good steel which will hold a sharp edge and are removable. Shanks are made of malleable iron. Wood handles are furnished in black stained finish.

CAT. No.	Style Blade	Weight Per Doz.
164—Oval		2¼ lbs.
165—Half Oval		2¼ lbs.
166—Triangular		2¼ lbs.

## CHIPPING KNIVES

Plate No. 28

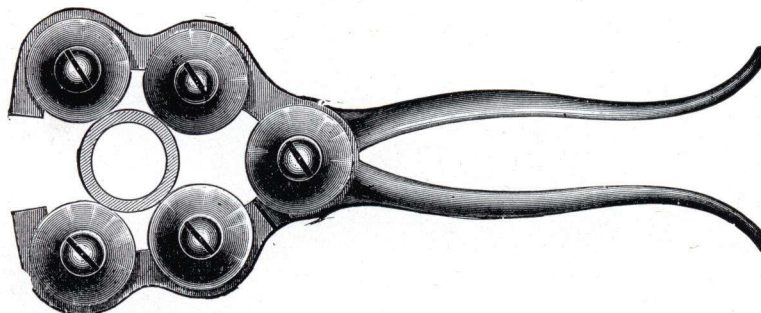


Blade is made of a good steel which will give good service.  
Handle is of leather.

CAT. No.	Size Blade	Weight Per Doz.
28-A	4½"	5½ lbs.
28-B	5"	5¾ lbs.
28-C	6"	6 lbs.

## LEAD PIPE CUTTERS

Plate No. 132



Handles and frames are malleable iron. Cutter wheels are made of a good grade tool steel which will hold a cutting edge.

CAT. No.	Finish	Weight Per Doz.
132-A	Japanned	11 lbs.
132-B	Nickel Plated	11 lbs.

## BLADES FOR SHAVE HOOKS

Plate No. 167



Oval

Plate No. 168



Half oval

Plate No. 169



Triangular

CAT. No.	Style	Weight Per Doz.
167—Oval		½ lb.
168—Half Oval		½ lb.
169—Triangular		½ lb.



# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

## REGULAR PIPE BENDING SPRINGS

Plate No. 7



Made from spring wire of the correct temper to prevent kinking.  
Length 23"

CAT. No.	7-A	7-B	7-C	7-D	7-E
Size, inches.....	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Weight, per dozen, lbs.....	14	$21\frac{1}{2}$	31	41	$58\frac{1}{2}$

## PIPE BENDING SPRINGS WITH IRON PIPE CONNECTION

Plate No. 8



Made from spring wire of the correct temper to prevent kinking. Ends are grey iron.  
Length  $24\frac{1}{2}$ "

CAT. No.	8-A	8-B	8-C
Size, inches.....	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Weight, per doz., lbs.....	39	51	72

## BENDING PINS

Plate No. 3



Plate No. 5

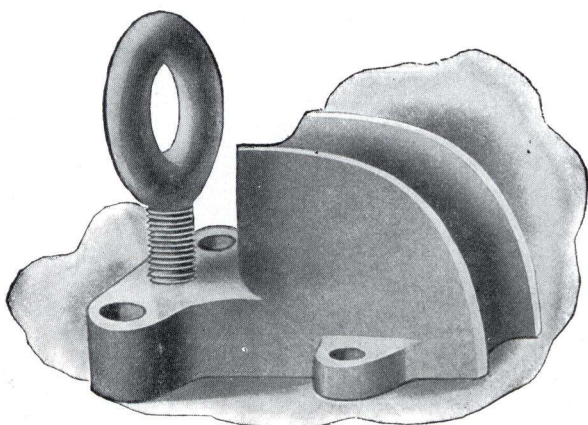


These articles are made from round steel.

CAT. No.	Size	Weight Per Doz.
3-A.....	$\frac{1}{2}$ " x 13"	12 lbs.
3-B.....	$\frac{9}{16}$ " x 13"	15 lbs.
5-A.....	$\frac{1}{2}$ " x 13"	12 lbs.
5-B.....	$\frac{9}{16}$ " x 13"	15 lbs.

## PIPE BENDING FORMS

Plate No. 2



Made from malleable iron with the exception of the eye bolt, which is wrought iron.

CAT. No.	Size No.	Capacity	Weight Each
2-A.....	1	$\frac{1}{8}$ " to $1\frac{1}{4}$ "	12 lbs.
2-B.....	2	1" to 2"	$22\frac{1}{2}$ lbs.

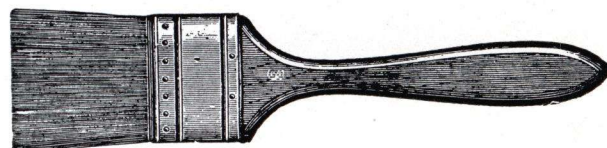
## SOIL BRUSHES

Plate No. 173



Size  $\frac{5}{8}$ " round. Weight, per dozen  $\frac{1}{2}$  lb.

Plate No. 174



Size 1" flat. Weight, per dozen  $\frac{1}{2}$  lb.

## SOIL CUPS

Plate No. 176



Made from sheet copper.

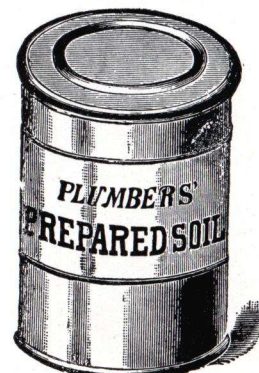
CAT. No. 175  
WITH HANDLE

Weight per dozen  $13\frac{3}{4}$  lbs.

CAT. No. 176  
WITHOUT HANDLE  
Weight per dozen  $11\frac{1}{2}$  lbs.

## PREPARED SOIL

Plate No. 177



Put up in tin cans with tight covers.

CAT. No.	Size	Weight Per Doz.
177-A.....	1 Pint	18 lbs.
177-B.....	1 Quart	30 lbs.

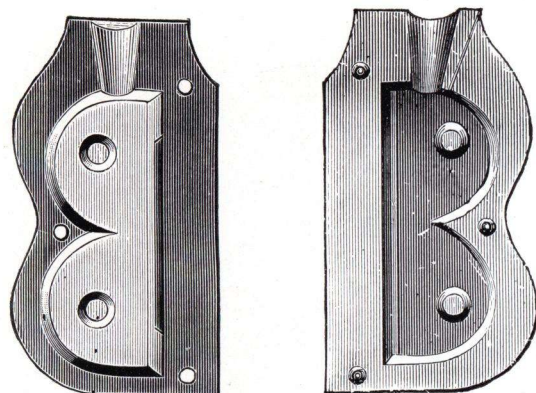


**Otto Bernz Co., Inc.** Established 1876 "Always Reliable" Mechanic's Tools **Rochester, N. Y.**

**Plate No. 122**

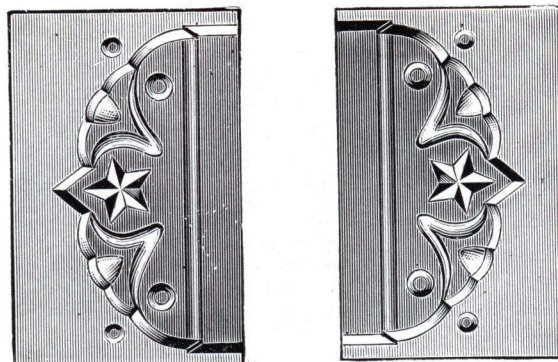
**TACK MOULDS**

**Plate No. 123**



Plain single style.

Made of cast brass. Weight, each  $1\frac{1}{4}$  lbs.



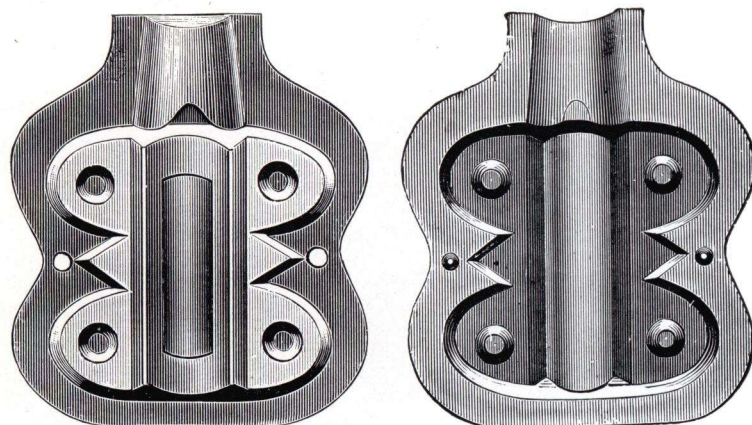
Fancy single style.

Made of cast brass. Weight, each  $1\frac{1}{4}$  lbs.

**Plate No. 124**

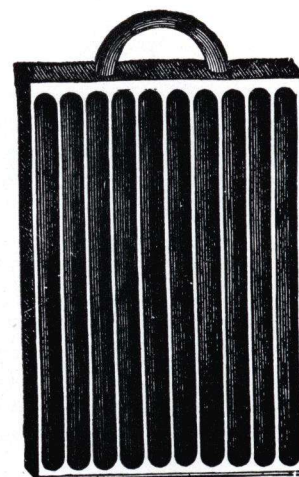
**STRAP SOLDER MOULDS**

**Plate No. 121**



Plain double style.

Made of cast brass. Weight, each  $2\frac{1}{4}$  lbs.



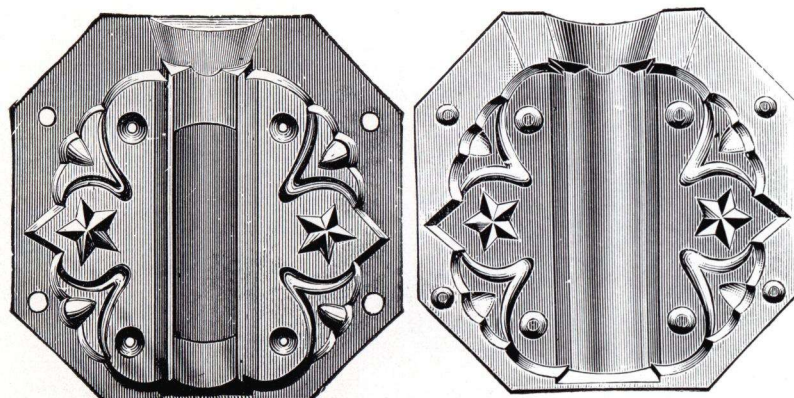
Made of gray iron.

**Plate No. 125**

CAT. NO.	121-A	121-B
Style.....	10 bar	15 bar
Capacity, per bar, lbs..	1	$1\frac{1}{8}$
Weight, each, lbs.....	$22\frac{1}{2}$	$27\frac{1}{2}$

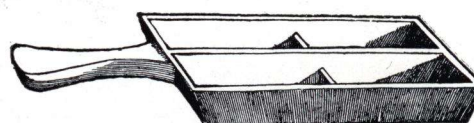
**PIG LEAD MOULDS**

**Plate No. 120**



Fancy double style.

Made of cast brass. Weight, each 2 lbs.



4 bar style.

Made of gray iron.

CAT. NO.	118	119	120
Style.....	1 bar	2 bar	4 bar
Capacity, per bar, lbs...	$19\frac{1}{2}$	$5\frac{3}{4}$	$21\frac{1}{4}$
Weight, each, lbs.....	$12\frac{1}{2}$	$10\frac{1}{2}$	$11\frac{1}{4}$

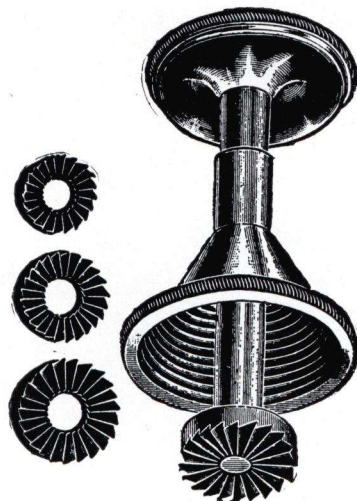


# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

## BIBB SEAT DRESSERS

For reseating Bibbs, Basin Cocks, Compression Valves, etc.  
Furnished one in a box.

Plate No. 16



Regular style with cone threaded on inside only. Furnished with four flat cutters of best tool steel.

### SIZE CUTTERS FURNISHED

$\frac{9}{16}$ "  $\frac{5}{8}$ "  $\frac{3}{4}$ "  $\frac{7}{8}$ " O.D.  
Weight per doz. 9 lbs.

Plate No. 17

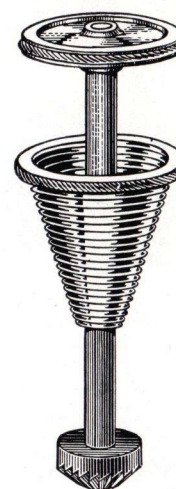


Double style with cone threaded on inside and outside. Furnished with four flat cutters of best tool steel.

### SIZE CUTTERS FURNISHED

$\frac{9}{16}$ "  $\frac{5}{8}$ "  $\frac{3}{4}$ "  $\frac{7}{8}$ " O.D.  
Weight per doz. 9 lbs.

Plate No. 17A



Double style with cone threaded on inside and outside. Furnished with 6 bevelled cutters of best tool steel.

### SIZE CUTTERS FURNISHED

$\frac{1}{2}$ "  $\frac{9}{16}$ "  $\frac{11}{16}$ "  $\frac{13}{16}$ "  $\frac{3}{8}$ " 1" O.D.  
Weight per doz. 9 lbs.

Handle and Cone are made of heavy cast brass. Stem is steel. All parts are heavily polished nickel plated finish.

Plate No. 017



Competitive price and style. Can be used on inside or outside threaded fittings. Cone made of hardened steel and stem is nickel-plated. Furnished with four flat cutters of best tool steel.

### SIZE CUTTERS FURNISHED

$\frac{9}{16}$ "  $\frac{5}{8}$ "  $\frac{3}{4}$ "  $\frac{7}{8}$ " O.D.  
Weight per doz. 6½ lbs.

## CUTTERS FOR BIBB SEAT DRESSERS

Plate shown under No. 16, 17 and 017

Plate No. 18

### FLAT STYLE

CAT. NO.	18-A	18-B	18-C	18-D
Diameter, inches.....	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$
Size Bibb, inches.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Weight, per doz., ozs.....	3	5	6	10

## CUTTERS FOR BIBB SEAT DRESSERS

Plate No. A18

### BEVELLED STYLE



Made of best tool steel.

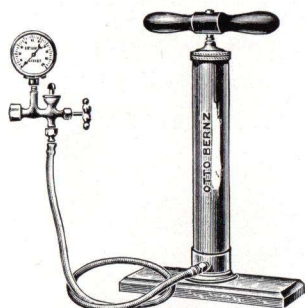
CAT. NO.	A-18-A	A-18-B	A-18-C	A-18-D	A-18-E	A-18-F
Diameter, inches.....	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{11}{16}$	$\frac{13}{16}$	$\frac{3}{8}$	1
Weight, per doz., ozs....	2	2½	4½	7	9	12



# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

## TESTING PUMP WITH AIR GAUGE, ETHER COCK AND HOSE

Plate No. 147



Testing pump is made of heavy brass tubing and is fitted with a large wood handle. Air gauge has iron case with brass ring and is furnished with brass cover. Ether cock is made of cast brass. We can furnish air gauges with capacity from 20 pounds up.

CAT. No.	Article	Weight Each
147-A	Outfit as shown above.....	6 lbs.
147-B	Testing pump only.....	4½ lbs.
147-C	Air gauge only.....	½ lb.
147-D	Ether cock only.....	¾ lb.
147-E	3 foot hose only.....	¼ lb.

## TESTING PUMP WITH REGULAR OLD STYLE MERCURY COLUMN AND HOSE

Testing pump is made of heavy brass tubing and is fitted with a large wood handle.

Mercury column is fitted with an unbreakable celluloid tube which is guarded by a brass shield. This shield is graduated for the convenience of the user.

This style of mercury column must be emptied after each job.

No mercury furnished with this outfit.

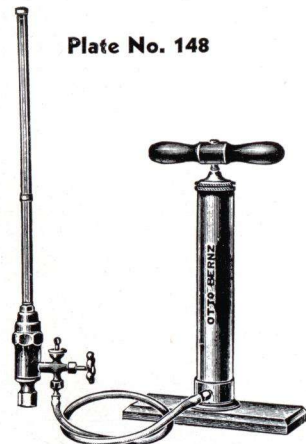
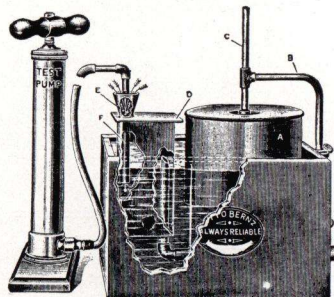


Plate No. 148

CAT. No.	Article	Weight Each
148-A	Outfit as shown above.....	7 lbs.
148-B	Testing pump only.....	4½ lbs.
148-C	Regular old style mercury column with ether cock attached only.....	2¾ lbs.
148-D	3 foot hose only.....	¼ lb.

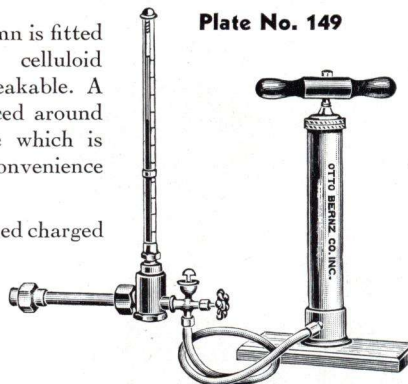
Plate No. 172



Interior is made of copper. Box is of wood and neatly painted. The testing pump is made of heavy brass tubing and is fitted with a large wood handle.

## TESTING PUMP WITH NON-SPILLABLE MERCURY COLUMN AND HOSE

Plate No. 149



This mercury column is fitted with transparent celluloid tube which is unbreakable. A brass shield is placed around this celluloid tube which is graduated for the convenience of the user.

This style is furnished charged with 2 ounces of mercury, therefore always ready for use.

CAT. No.	Article	Weight Each
149-A	Article as shown above.....	6¾ lbs.
149-B	Testing pump only.....	4½ lbs.
149-C	Non-spillable mercury column with ether cock attached only.....	2½ lbs.
149-D	3 foot hose only.....	¼ lb.

## REGULAR FORCE PUMP

Plate No. 146

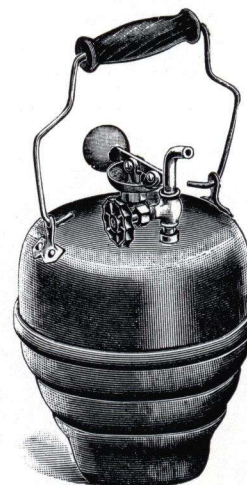


Heavily constructed of brass tubing and gray iron.

Weight each  
9½ lbs.

## THAWING STEAMER

Plate No. 186



Reservoir is made of copper. Safety valve has a lead ball which raises automatically at 50 lbs. pressure. Can be used with ordinary plumber's furnace.

Weight each 3½ lbs.

## SMOKE TESTING MACHINE

SMALL SIZE MACHINE (Box 13½" x 9" x 13½")  
LARGE SIZE MACHINE (Box 16" x 12" x 13½")

CAT. No.	Size	Article	Weight Each
172-A	Small	Article as shown including also large hose and couplings.....	32 lbs.
172-B	Large	Article as shown including also large hose and couplings.....	42½ lbs.
172-C	Small	Machine with pump only as shown.....	26½ lbs.
172-D	Large	Machine with pump only as shown.....	37 lbs.
172-E	Small	Machine only, as shown.....	20½ lbs.
172-F	Large	Machine only, as shown.....	31 lbs.
172-G	Either	Pump only, as shown.....	4½ lbs.



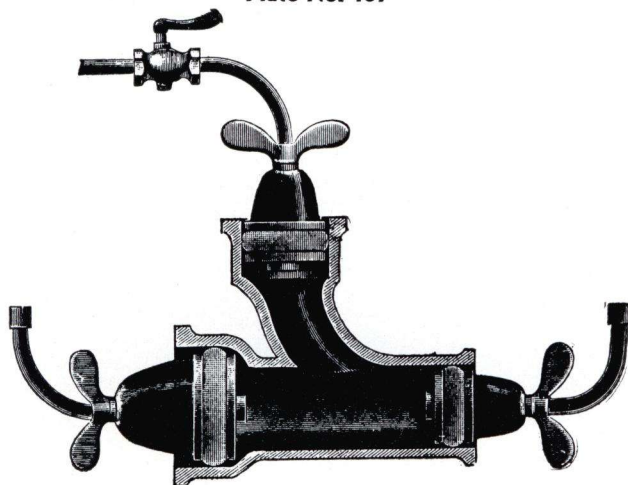
# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

## TESTING PLUGS

All of the castings are made of grey iron, and the pipes are steel. The rubbers are made of a special mixture so as to give durable service for use with testing plugs.

### WING NUT TESTING PLUGS

Plate No. 187



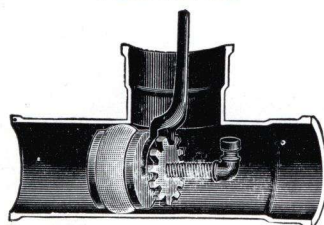
CAT. No.	187-A	187-B	187-C	187-D	187-E	187-F
Size, inches.....	1½	2	3	4	5	6
Weight, each, lbs....	1	1½	2½	3¼	4¾	6¼

CAT. No.	187-G	187-H	187-I	187-J	187-K
Size, inches.....	7	8	9	10	12
Weight, each, lbs.....	8	11	15	20¼	26

### RATCHET TESTING PLUGS

Plate No. 188



Wrench is not included with these plugs, therefore, must be ordered separately.

CAT. No.	188-A	188-B	188-C	188-D	188-E
Size, inches.....	2	3	4	5	6
Weight, each, lbs....	1¼	2	3	3½	5

CAT. No.	188-F	188-G	188-H	188-I
Size, inches.....	7	8	9	10
Weight, each, lbs.....	7¾	11	14½	19½

### WRENCH FOR RATCHET TESTING PLUGS

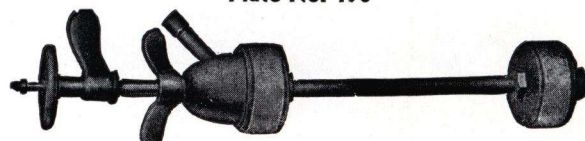
Plate No. 189



Made of grey iron. Weight, each 1 lb.

### STRAIGHT DOUBLE TESTING PLUGS

Plate No. 190



CAT. No.	190-A	190-B	190-C	190-D
Size, inches.....	2	3	4	5
Weight, each, lbs.....	2½	7	10	13½

CAT. No.	190-E	190-F	190-G	190-H
Size, inches.....	6	8	10	12
Weight, each, lbs.....	17¼	27½	50	56

### Y BRANCH TESTING PLUGS

Plate No. 191

CAT. No.	Size	Weight Each
191-A.....	2"	3¼ lbs.
191-B.....	3"	5½ lbs.
191-C.....	4"	8½ lbs.
191-D.....	5"	13 lbs.
191-E.....	6"	17 lbs.
191-F.....	8"	27 lbs.
191-G.....	10"	53¼ lbs.



### TEE TESTING PLUGS

Plate No. 192



CAT. No.	192-A	192-B	192-C	192-D
Size, inches.....	2	3	4	5
Weight, each, lbs.....	4	4½	6¼	11

CAT. No.	192-E	192-F	192-G
Size, inches.....	6	8	10
Weight, each, lbs.....	12½	17½	30



# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

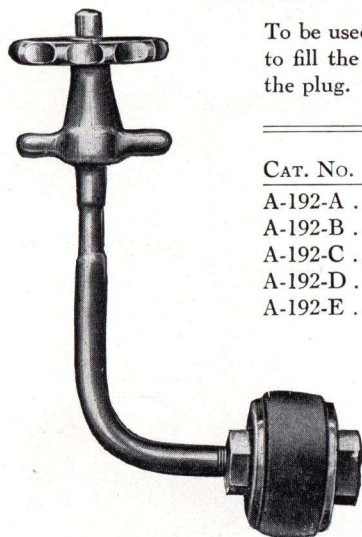
Established 1876

## TESTING PLUGS

All of the castings are made of grey iron and the pipes are steel. The rubbers are made of a special mixture so as to give durable service for use with testing plugs.

### TEE TESTING PLUGS WITHOUT STUFFING BOX

Plate No. A-192

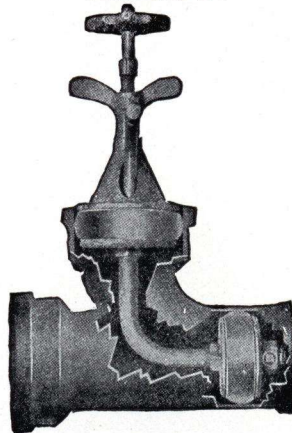


To be used where it is not necessary to fill the stack with water through the plug.

Cat. No.	Size inches	Weight each, lbs.
A-192-A . . . . .	2	5
A-192-B . . . . .	3	6
A-192-C . . . . .	4	7
A-192-D . . . . .	5	10
A-192-E . . . . .	6	12

### SANITARY TEE TESTING PLUGS

Plate No. 193

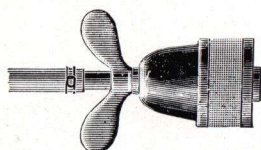


Cat. No.	Size	Weight Each
193-A	3"	7 lbs.
193-B	4"	12 lbs.
193-C	5"	15 lbs.
193-D	6"	18 1/4 lbs.

Cat. No.	Size	Weight Each
193-E	7"	25 lbs.
193-F	8"	30 1/4 lbs.
193-G	9"	40 lbs.
193-H	10"	50 lbs.

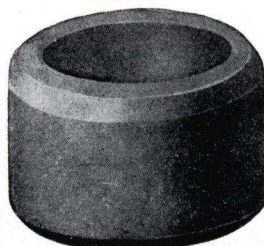
### SMOKE TESTING PLUG

Plate No. A-187



Cat. No.	A-187-A	A-187-B	A-187-C	A-187-D	A-187-E
Size, inches	2	3	4	5	6
Weight each, lbs.	4	5 1/4	6 1/2	8	9

Plate No. 194



### RUBBERS for TESTING PLUGS

Cat. No.	194-A	194-B	194-C
Size, inches . . . . .	2	3	4
Weight, each, ozs. . . . .	1 1/2	3 1/2	6 1/4

Cat. No.	194-D	194-E	194-F
Size, inches . . . . .	5	6	7
Weight, each, ozs. . . . .	8	11 1/2	19

Cat. No.	194-G	194-H	194-I	194-J
Size, inches . . . . .	8	9	10	12
Weight, each, ozs. . . . .	24	29	31	45

## CELLAR DRAINERS

Automatic Movement

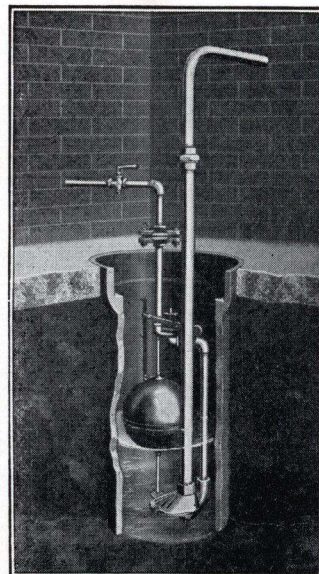
Plate No. 238

Simple in construction—highly efficient in operation—quickly and easily installed! No motors, springs, pistons, cup leathers, foot valves nor delicate parts subject to heavy wear. The new "Always Reliable" Drainer is designed for indefinite service and hard use.

Compactly built—it will easily fit a twelve-inch drain pipe—absolutely free of fittings that lessen efficiency. The ball float operates on a positive vertical guide and opens the valve only when the point is primed—no leakage of service water—no sucking until there is water to be drained. Less service water to lift a maximum amount of seepage—an economical, efficient and satisfactory drainer—the new "Always Reliable."

### GALLONS SUMP WATER PER HOUR

Cat No.	Size No.	Water Pressure in Pounds	Lift in Feet 3'	Lift in Feet 9'	Pipe Sizes Supply	Pipe Sizes Dis-charge	Weight each, lbs.
238-A . . . . .	1 {	20	280	62	1/2"	1"	17 1/2
		80	700	550			
238-B . . . . .	2 {	20	520	190	3/4"	1 1/4"	21 1/4
		80	1180	1090			





# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

Established 1876

## PIPE CLEANING TOOLS—FLAT SEWER RODS

Oil Tempered Spring Steel for Sewer Cleaning  
Equipped with Revolving Spear Point and Spring Grip Handle.

Plate No. A129

$\frac{1}{4}$ " x  $\frac{1}{16}$ " size. For cleaning small pipes, furnished with ball point; no handle.

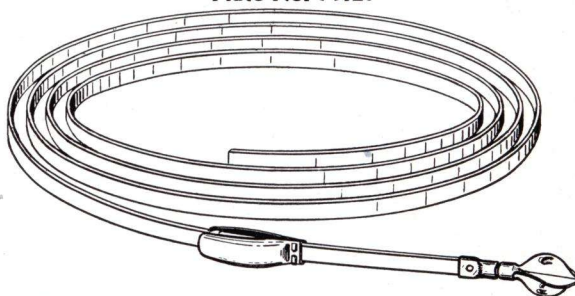
CAT. NO.	Size	Wt. Each Lbs.	List Price Each
A-129-A	$\frac{1}{4}$ " x $\frac{1}{16}$ " x 25 ft.	2	\$1.50
A-129-B	$\frac{1}{4}$ " x $\frac{1}{16}$ " x 50 ft.	4	2.50
A-129-C	$\frac{1}{4}$ " x $\frac{1}{16}$ " x 75 ft.	6	3.50
A-129-D	$\frac{1}{4}$ " x $\frac{1}{16}$ " x 100 ft.	8	4.50

$\frac{1}{2}$ " x  $\frac{1}{16}$ " size. For cleaning 1" to 2" pipes. Equipped with Spring Grip Handle and revolving spear point.

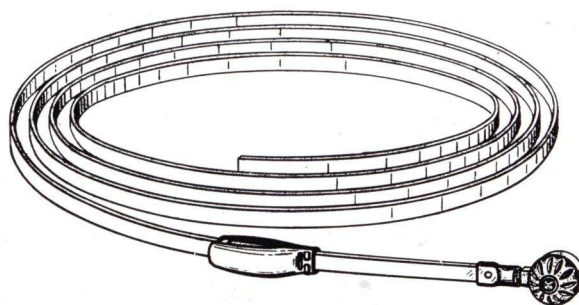
CAT. NO.	Size	Wt. Each Lbs.	List Price Each
A-129-E	$\frac{1}{2}$ " x $\frac{1}{16}$ " x 25 ft.	3	\$2.50
A-129-F	$\frac{1}{2}$ " x $\frac{1}{16}$ " x 50 ft.	6	4.50
A-129-G	$\frac{1}{2}$ " x $\frac{1}{16}$ " x 75 ft.	9	6.00
A-129-H	$\frac{1}{2}$ " x $\frac{1}{16}$ " x 100 ft.	12	8.00

$\frac{3}{4}$ " x  $\frac{1}{16}$ " size. For cleaning 2" to 4" pipes. Equipped with Spring Grip Handle and revolving spear point.

CAT. NO.	Size	Wt. Each Lbs.	List Price Each
A-129-M	$\frac{3}{4}$ " x $\frac{1}{16}$ " x 25 ft.	4	\$4.00
A-129-N	$\frac{3}{4}$ " x $\frac{1}{16}$ " x 50 ft.	8	6.00
A-129-O	$\frac{3}{4}$ " x $\frac{1}{16}$ " x 75 ft.	12	8.00
A-129-P	$\frac{3}{4}$ " x $\frac{1}{16}$ " x 100 ft.	16	10.00



For use in straight sewers and drains. Made of high grade oil tempered spring steel. Will straighten out and lay flat for use in sewer. Will not curl after constant use. Each rod  $\frac{1}{2}$ " in width and over equipped with revolving spear point or revolving ball point for forcing the stoppage and self adjusting handle for gripping at any length of the rod. The revolving spear point with hook will automatically plow itself thru mud and dirt.



$\frac{5}{8}$ " x  $\frac{3}{32}$ " size. For cleaning 2" to 4" pipes. Equipped with Spring Grip Handle and revolving spear point.

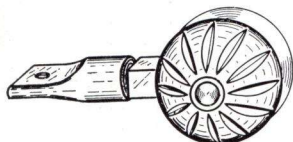
CAT. NO.	Size	Wt. Each Lbs.	List Price Each
A-129-I	$\frac{5}{8}$ " x $\frac{3}{32}$ " x 25 ft.	5	\$4.00
A-129-J	$\frac{5}{8}$ " x $\frac{3}{32}$ " x 50 ft.	10	5.50
A-129-K	$\frac{5}{8}$ " x $\frac{3}{32}$ " x 75 ft.	15	7.75
A-129-L	$\frac{5}{8}$ " x $\frac{3}{32}$ " x 100 ft.	20	9.00

$\frac{3}{4}$ " x  $\frac{1}{8}$ " size. For cleaning 4" to 6" pipes. Equipped with Spring Grip Handle and revolving spear point.

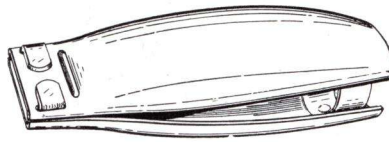
CAT. NO.	Size	Wt. Each Lbs.	List Price Each
A-129-Q	$\frac{3}{4}$ " x $\frac{1}{8}$ " x 25 ft.	8	\$6.00
A-129-R	$\frac{3}{4}$ " x $\frac{1}{8}$ " x 50 ft.	16	9.00
A-129-S	$\frac{3}{4}$ " x $\frac{1}{8}$ " x 75 ft.	24	12.00
A-129-T	$\frac{3}{4}$ " x $\frac{1}{8}$ " x 100 ft.	32	16.00

$1\frac{1}{4}$ " x  $\frac{1}{8}$ " size. Equipped with new style revolving spear point with hooks, which automatically plows itself thru mud and dirt. No handle required.

CAT. NO.	Size	Wt. Each Lbs.	List Price Each
A-129-U	$1\frac{1}{4}$ " x $\frac{1}{8}$ " x 25 ft.	14	\$8.00
A-129-V	$1\frac{1}{4}$ " x $\frac{1}{8}$ " x 50 ft.	28	14.00
A-129-W	$1\frac{1}{4}$ " x $\frac{1}{8}$ " x 75 ft.	40	21.00
A-129-X	$1\frac{1}{4}$ " x $\frac{1}{8}$ " x 100 ft.	54	28.00



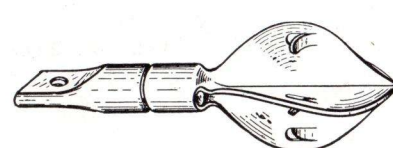
This Revolving Ball Point can be furnished on the Flat Sewer Rods. When ordering, specify if this type point is desired.



Self Adjusting Handle for the required  $\frac{1}{2}$ ",  $\frac{5}{8}$ ",  $\frac{3}{4}$ " x  $\frac{1}{16}$ ",  $\frac{3}{4}$ " x  $\frac{1}{8}$ " sizes.

Extra Spring Grip Handles and Revolving Spear Points—

$\frac{1}{2}$ " size,	$\frac{1}{2}$ lb. set,	\$2.50 set list;
$\frac{5}{8}$ " size,	$\frac{1}{2}$ lb. set,	\$2.50 set list;
$\frac{3}{4}$ " x $\frac{1}{16}$ " size,	$\frac{1}{2}$ lb. set,	\$3.00 set list;
$\frac{3}{4}$ " x $\frac{1}{8}$ " size,	$\frac{1}{2}$ lb. set,	\$3.00 set list.



Extra Revolving Spear Point with Hooks for  $1\frac{1}{4}$ " steel, Wt. Ea. 1 Lb., List Price \$2.50 Each.

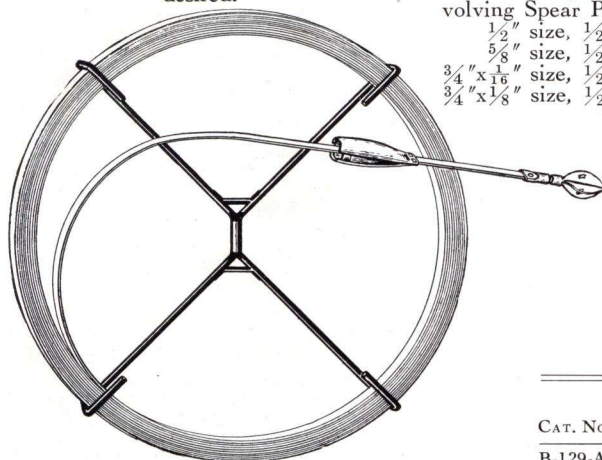


Illustration shows frame holding rod. When ordering, specify if frame is desired.

CAT. NO.	Size	Wt. Each Lbs.	List Price Each
B-129-A for $\frac{1}{4}$ " x $\frac{1}{16}$ "	$\frac{1}{2}$		\$ .75
B-129-B for $\frac{1}{2}$ " x $\frac{1}{16}$ "	1		1.25
B-129-C for $\frac{3}{4}$ " x $\frac{1}{16}$ "	$2\frac{1}{4}$		1.50
B-129-D for $1\frac{1}{4}$ " x $\frac{1}{8}$ "	3		2.00



Plate No. B129  
Sewer Rod Frame

Frame for holding Flat Sewer Rods. This device enables one man to quickly and conveniently unroll the Flat Wire into pipe. Made of heavy steel, black enameled finish.

PRICES SHOWN ARE LIST. SEE CURRENT NET PRICE LIST FOR DISCOUNT.



# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

Established 1876

## PIPE CLEANING TOOLS (Cont'd)

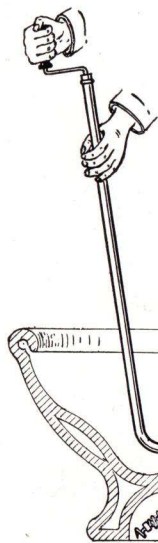
### CLOSET AUGERS

Plate No. 129

The Modern Method for Removing Obstructions in Closet Waste Pipes and Plumbing Fixtures

"Always Reliable" Closet Augers are designed to easily reach obstructions in closets and other plumbing fixtures and by a simple turning of the handle to catch the obstruction and bring it back to operation requires less than five minutes.

Made from the finest grade of spring steel black enameled to prevent rust. Can be used under severe strain and will always return to original shape. The guide tube is heavy gauge seamless brass tubing, highly polished, special screw tip which quickly catches all obstructions in bowl.

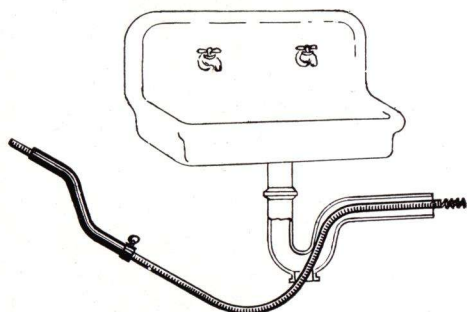


CAT. NO.	Size	Weight Each	List Price
129-A	3 ft.	3 lbs.	\$2.50 each
129-B	6 ft.	3 3/4 lbs.	3.00 each
129-C	9 ft.	4 1/2 lbs.	3.50 each
129-D	15 ft.	6 lbs.	4.00 each

### SINK AND LAVATORY AUGERS

Equipped With Rotary Handle

Plate No. B127



This auger is made especially for use in small sinks and lavatory drain pipes. Will fit the smallest drain pipes and travel around small elbows with ease. Has special designed screw tip for small pipes. Black enameled finish.

CAT. NO.	Size	Weight Each Lbs.	List Price Each
B-127-A	1/4" dia.—15 gauge—6 ft.	1 1/4	\$1.20
B-127-B	1/4" dia.—15 gauge—8 ft.	1 1/2	1.40
B-127-C	1/4" dia.—15 gauge—10 ft.	1 3/4	1.60
B-127-D	1/4" dia.—15 gauge—12 ft.	2 1/2	1.80
B-127-E	1/4" dia.—15 gauge—15 ft.	3	2.10
B-127-F	1/4" dia.—15 gauge—20 ft.	4	2.60
B-127-G	1/4" dia.—15 gauge—25 ft.	5	3.10
B-127-H	1/4" dia.—15 gauge—35 ft.	7 1/2	4.10
B-127-I	1/4" dia.—15 gauge—50 ft.	10	5.60

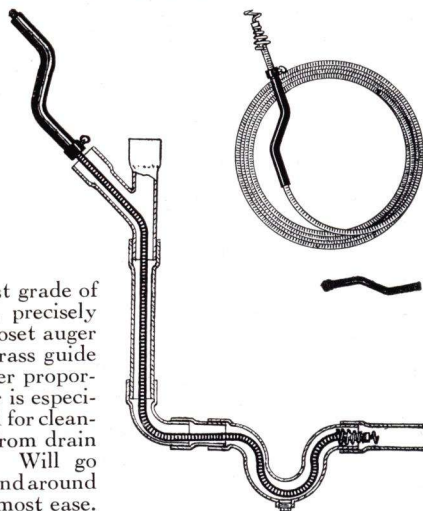
### DRAIN PIPE AND SEWER AUGERS

Equipped With Rotary Handle

Plate No. A127

Made of the finest grade of spring steel wire, precisely the same as the closet auger but without the brass guide tube and of heavier proportions. This auger is especially recommended for cleaning obstructions from drain and waste pipes. Will go through all traps and around bends with the utmost ease.

Made in 2 sizes, the 7/16" dia. for 2" to 4" drain pipes and the 1/2" dia. for 4" to 6" drain pipes. Can be conveniently carried in one bundle. Black enameled finish.



CAT. NO.	Size	Weight Each Lbs.	List Price Each
A-127-A	6 ft.—7/16" dia.—14 gauge	2	\$ 1.50
A-127-B	8 ft.—7/16" dia.—14 gauge	2 1/4	1.80
A-127-C	12 ft.—7/16" dia.—14 gauge	4	2.40
A-127-D	15 ft.—7/16" dia.—14 gauge	5	2.85
A-127-E	20 ft.—7/16" dia.—14 gauge	7	3.60
A-127-F	25 ft.—7/16" dia.—14 gauge	8	4.35
A-127-G	35 ft.—7/16" dia.—14 gauge	10	5.85
A-127-H	50 ft.—7/16" dia.—14 gauge	14	8.10
A-127-I	6 ft.—1/2" dia.—12 gauge	2 1/2	2.10
A-127-J	8 ft.—1/2" dia.—12 gauge	3	2.50
A-127-K	12 ft.—1/2" dia.—12 gauge	4	3.30
A-127-L	15 ft.—1/2" dia.—12 gauge	5	3.90
A-127-M	20 ft.—1/2" dia.—12 gauge	6 1/2	4.90
A-127-N	25 ft.—1/2" dia.—12 gauge	15	5.90
A-127-O	35 ft.—1/2" dia.—12 gauge	20	7.90
A-127-P	50 ft.—1/2" dia.—12 gauge	30	10.90

### SNAKE WIRES

Plate No. D127



Made from special tempered wire. The outer wires tinned to prevent rusting, lengths of 8, 15, and 25 ft. An inexpensive snake wire to clean waste pipes, sewers, etc.

CAT. NO.	Size	Weight Each	List Price
D-127-A	8 ft. long	1 1/2 lbs.	\$ 6.50 dozen
D-127-B	15 ft. long	3 lbs.	9.50 dozen
D-127-C	25 ft. long	5 1/2 lbs.	15.00 dozen

PRICES SHOWN ARE LIST. SEE CURRENT NET PRICE LIST FOR DISCOUNT.



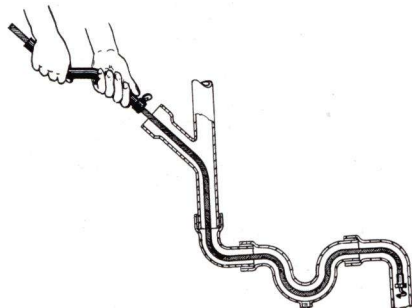
# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

Established 1876

## PIPE CLEANING TOOLS (Cont'd)

### MULTIWIRE DRAIN PIPE CLEANERS

Equipped with Rotary Handle  
Plate No. 240



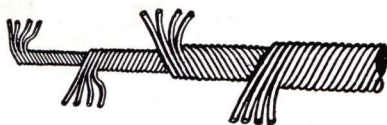
The Multiwire Drain Pipe Cleaner is the latest and the most modern method for cleaning both small and large diameter pipes. It is of the strongest construction possible. The  $\frac{1}{4}$ " size is for cleaning small pipes. The  $\frac{3}{8}$ " size for cleaning sewers and cellar connections. The improved Spring Point is made especially for this type of work and is guaranteed to do a good job.

The Multiwire is of entirely new construction, consisting of sixteen strands of highly tempered wire wound clockwise and counter clockwise so as to insure great strength.

Each Multiwire Drain Pipe Cleaner is equipped with an adjustable sliding handle for gripping at any length of the cleaner.



CAT. NO.	Size	Weight Each	List Price
240-A	$\frac{1}{4}$ " dia.— 6 ft. long.....	$\frac{3}{4}$ lb.	\$ 1.50 each
240-B	$\frac{1}{4}$ " dia.— 8 ft. long.....	1 lb.	2.00 each
240-C	$\frac{1}{4}$ " dia.— 12 ft. long.....	$1\frac{1}{2}$ lbs.	3.00 each
240-D	$\frac{1}{4}$ " dia.— 15 ft. long.....	2 lbs.	3.75 each
240-E	$\frac{1}{4}$ " dia.— 25 ft. long.....	3 lbs.	6.25 each
240-F	$\frac{1}{4}$ " dia.— 50 ft. long.....	6 lbs.	12.50 each
240-G	$\frac{3}{8}$ " dia.— 8 ft. long.....	2 lbs.	4.00 each
240-H	$\frac{3}{8}$ " dia.— 12 ft. long.....	3 lbs.	6.00 each
240-I	$\frac{3}{8}$ " dia.— 15 ft. long.....	4 lbs.	7.50 each
240-J	$\frac{3}{8}$ " dia.— 25 ft. long.....	6 lbs.	12.50 each
240-K	$\frac{3}{8}$ " dia.— 50 ft. long.....	12 lbs.	25.00 each
240-L	$\frac{3}{8}$ " dia.— 100 ft. long.....	24 lbs.	50.00 each



### MULTIWIRE CLOSET AUGERS

The "Always Reliable" Multiwire Closet Auger is the strongest and best constructed closet auger made. The Guide Tube is polished seamless Brass Tubing,  $\frac{3}{4}$ " O. D. and the Multiwire is  $\frac{3}{8}$ " diameter 16 strand, highly tempered wire wound clockwise and counter-clockwise, which is made especially to withstand hard usage. Every Multiwire Closet Auger is guaranteed not to kink or break.

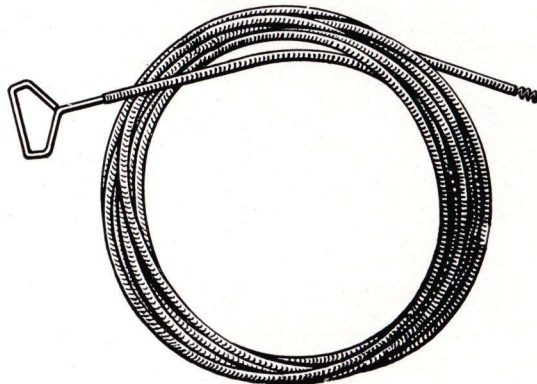
Plate No. 241



PRICES SHOWN ARE LIST. SEE CURRENT NET PRICE LIST FOR DISCOUNT.

### WIZARD ELECTRIC TEMPERED SNAKES

Plate No. 242

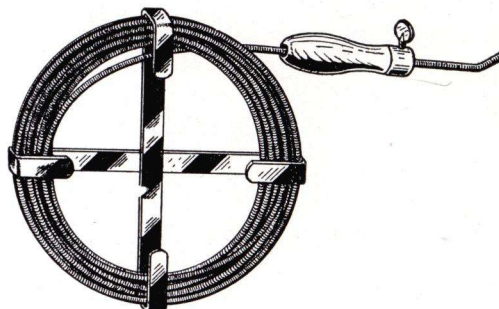


The Wizard Electric Tempered Snake is made from high quality tempered spring steel and is exceptionally flexible as it has no center core. Cannot kink when used in cleaning small pipes. Convenient handle on one end and special screw tip which will quickly and efficiently remove the obstructions.

CAT. NO.	Size	Weight Each	List Price
242-A	$\frac{1}{4}$ " dia.— 8 ft. long.....	$1\frac{1}{4}$ lbs.	\$ 7.00 dozen
242-B	$\frac{1}{4}$ " dia.— 15 ft. long.....	2 lbs.	14.00 dozen
242-C	$\frac{5}{16}$ " dia.— 25 ft. long.....	4 lbs.	4.00 each
242-D	$\frac{3}{8}$ " dia.— 50 ft. long.....	8 lbs.	8.00 each

### HANDY CLEANOUT SPRINGS

Plate No. 243



The "Always Reliable" "Handy Cleanout Spring" is made of high grade piano wire, specially heat treated to prevent kinking. This is an efficient cleaner for small size pipes. Furnished complete with carrying frame and adjustable sliding handle.

CAT. NO.	Size	Weight Each	List Price
243-A	15 ft. long, with frame.....	3 lbs.	\$4.00 each
243-B	25 ft. long, with frame.....	5 lbs.	5.00 each

CAT. NO.	Size	Weight Each	List Price
241-A	$\frac{3}{8}$ " dia. Multiwire—3 ft. long....	4 lbs.	\$5.00 each
241-B	$\frac{3}{8}$ " dia. Multiwire—6 ft. long....	6 lbs.	6.50 each
241-C	$\frac{3}{8}$ " dia. Multiwire—9 ft. long....	8 lbs.	8.00 each



Established 1876

Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

PIPE CLEANING TOOLS (Cont'd)

PLUMBERS AND ELECTRICIANS  
FISH TAPE

Plate No. 244

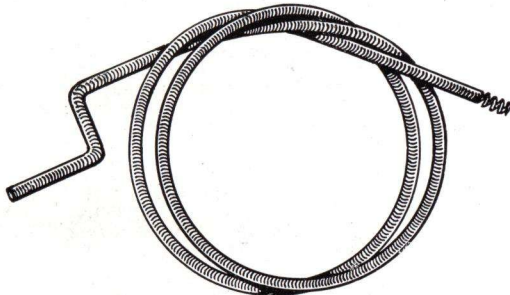


Made of Oil Tempered Flat Steel wire. Each length packed in individual cartons. List price herewith in 100 foot lengths. List price on shorter or longer lengths computed as follows. Example: 50 foot  $\frac{1}{8}$  x .030 = 50c list price. 200 ft.  $\frac{1}{8}$  x .030 = \$2.00 list price, etc.

CAT. NO.	Size	Weight 100 ft.	List Price Per 100 ft.
244-A	$\frac{1}{8}$ x .030	1 $\frac{1}{8}$ lbs.	\$1.00
244-B	$\frac{1}{8}$ x .060	2 $\frac{1}{2}$ lbs.	2.00
244-C	$\frac{3}{16}$ x .030	2 lbs.	2.00
244-D	$\frac{3}{16}$ x .060	4 lbs.	5.00
244-E	$\frac{1}{4}$ x .030	3 lbs.	2.50
244-F	$\frac{1}{4}$ x .060	6 lbs.	4.00
244-G	$\frac{3}{8}$ x .030	4 $\frac{1}{4}$ lbs.	5.00
244-H	$\frac{3}{8}$ x .060	8 $\frac{1}{2}$ lbs.	5.00

SPRING SNAKES

Plate No. 127



A tightly wound steel spring with corkscrew turn on end and convenient handle on other end will quickly remove obstructions from sink, toilet and drains. Black enamel finish.

CAT. NO.	Size	Weight Each Lbs.	List Price Each
127-A	$\frac{7}{16}$ " dia., 13 gauge wire, 6 ft. long	2	\$ .80
127-B	$\frac{7}{16}$ " dia., 13 gauge wire, 9 ft. long	3 $\frac{1}{2}$	1.00
127-C	$\frac{7}{16}$ " dia., 13 gauge wire, 15 ft. long	5	1.75
127-D	$\frac{7}{16}$ " dia., 13 gauge wire, 20 ft. long	8	2.25
127-E	$\frac{1}{2}$ " dia., 12 gauge wire, 25 ft. long	11	3.50

FORCE AND SUCTION PUMP

Plate No. 239



This powerful Force and Suction Pump can be used for cleaning drains of Bathroom Fixtures, Sinks and Water Closets. Made of Polished Seamless Brass. Heavy  $4\frac{1}{2}$ " rubber cup. Length overall, 17".

	Weight Each	List Price
Force and Suction Pump	2 lbs.	\$2.00 each

"RED POINT" FLEXIBLE  
SINK CLEANERS

Plate No. C129



The "Always Reliable" Red Point Flexible Steel Cleaner is especially suitable for cleaning all small size pipes.

Made of  $\frac{1}{4}$ " x  $\frac{1}{2}$ " oil tempered spring steel, flexible and durable. The improved "Red Point" Flexible Point will go through traps and around bends with utmost ease. Each cleaner is supplied with a handy black enameled frame from which the steel can be easily and quickly forced in the pipe. When the cleaning operation is finished the steel is recoiled in the frame.

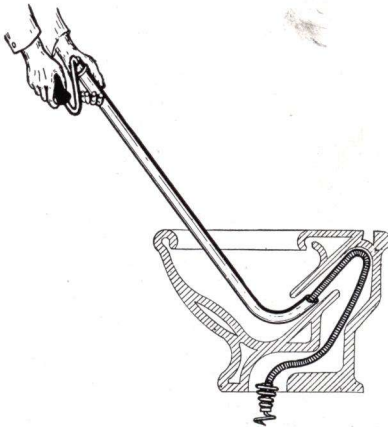
This handy tool should be in every plumber's kit as well as every home.

CAT. NO.	Size	Weight Each	List Price
C-129-A	25 ft. long	$\frac{3}{4}$ lb.	\$1.50 each
C-129-B	50 ft. long	1 $\frac{1}{2}$ lbs.	2.00 each

HEAVY DUTY CLOSET AUGERS

The "Always Reliable" "Heavy Duty" Closet Auger is made for heavy use. The Brass Guide Tube is  $\frac{3}{4}$ " diameter, seamless brass tubing, polished finish. The spring is made of No. 12 gauge Tempered Spring Steel Wire with special screw tip for catching and removing obstructions in closet bowl. An excellently made, rugged auger for the plumber. Guaranteed to give satisfactory service.

Plate No. 245



CAT. NO.	Size	Weight Each	List Price
245-A	3 ft.	4 lbs.	\$3.00 each
245-B	6 ft.	6 lbs.	3.50 each
245-C	9 ft.	8 lbs.	4.00 each
245-D	12 ft.	10 lbs.	4.50 each

PRICES SHOWN ARE LIST. SEE CURRENT NET PRICE LIST FOR DISCOUNT.



# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

## SOLDERING COPPERS

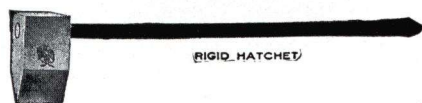
Pointed Style (Two Prong)  
Plate No. 178



Swivel Hatchet Style  
Plate No. 179



Rigid Hatchet Style  
Plate No. 180



Forged to shape and not cast. Permits continual reforging and long life.  
Soldering coppers are generally sold in pairs.

Pointed CAT. No.	Swivel Hatchet CAT. No.	Rigid Hatchet CAT. No.	Weight Per Pair
178-A	179-A	180-A	1 lb.
178-B	179-B	180-B	1½ lbs.
178-C	179-C	180-C	2 lbs.
178-D	179-D	180-D	2½ lbs.
178-E	179-E	180-E	3 lbs.
178-F	179-F	180-F	4 lbs.
178-G	179-G	180-G	5 lbs.
178-H	179-H	180-H	6 lbs.
178-I	179-I	180-I	8 lbs.
178-J	179-J	180-J	10 lbs.
178-K	179-K	180-K	12 lbs.
178-L	179-L	180-L	16 lbs.

## SOLDERING COPPER HANDLES

Plate No. 181



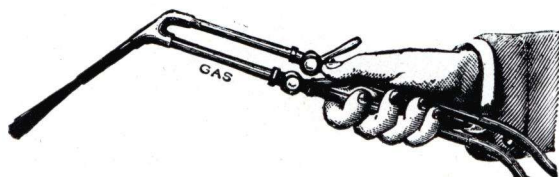
Extras for size. Apply to all styles.  
Weight, per pair... 3 lbs. and heavier 2½ lbs. 2 lbs. 1½ lbs. 1 lb.  
Price, per lb., net... Base \$ .01 \$ .02 \$ .03 \$ .06

Note—Subject to standard extras for quantity and style

Plain wood style with steel ferrule. Weight, per dozen 1½ lbs.

## GAS AND AIR BLOW PIPES FOR BRAZING

Plate No. 12



CAT. No.	Size No.	Air Jet	Gas Opening	Supply Tubes	Weight Each
12.....	8-C	3/16"	7/8"	3/8"	10½ ozs.
13.....	8-E	3/16"	3/8"	9/16"	13½ lbs.
14.....	8-F	3/8"	1"	5/8"	13¼ lbs.

These blow pipes are made of seamless brass tubing and have cast brass fittings.



Plate No. 13

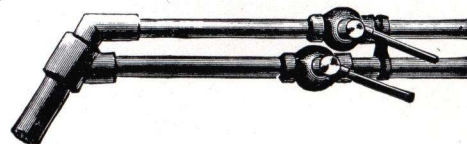
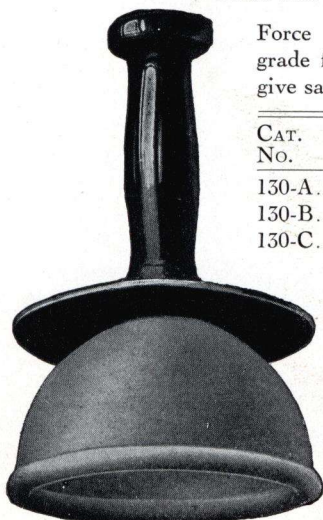


Plate No. 14

## FORCE CUPS

Plate No. 130

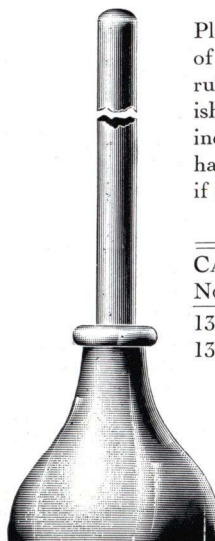


Force cups are made of good grade flexible rubber which will give satisfactory results.

CAT. No.	Diam.	Weight Per Doz.
130-A.....	3¼"	4½ lbs.
130-B.....	3¾"	5¼ lbs.
130-C.....	4½"	6 lbs.

## PLUMBERS' FRIENDS

Plate No. 131



Plumbers' friends are made of a good grade of flexible rubber. They are furnished regularly with 36 inch handles. Shorter handles can be furnished if so desired.

CAT. No.	Diam.	Weight Per Doz.
131-A.....	4"	18 lbs.
131-B.....	6"	20 lbs.

## PLUMB BOBS

Plate No. 133



Made of gray iron.  
Japanned finish.

CAT. No.	Size	Weight Per Doz.
133-A—Small	7½ lbs.	
133-B—Large	15 lbs.	



# Otto Bernz Co., Inc. Established 1876 "Always Reliable" Mechanic's Tools Rochester, N. Y.

## PLUMBERS' TOOL BAGS

Plate No. 205 (as shown)

Plate No. 206 (Brown Leather)



Made of carpet with small leather binding. Sides and bottom are reinforced with leather. Interior is lined and has a pocket. Fitted with two straps which encircle bag.

CAT. No.	205	206
Size, inches.....	16 x 25	16 x 25
Weight, each, lbs.....	3	2¼

NOTE—No. 206 Bag is made entirely of brown leather in the same style and design as shown for Plate No. 205.

## ELECTRICIANS' TOOL BAGS

Plate No. 196

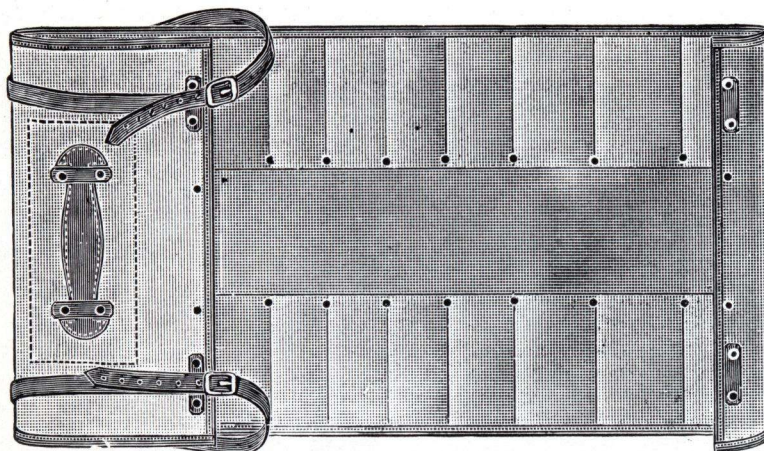


Made of heavy russet grain leather. Furnished with leather shoulder strap and pad.

CAT. No.	Size	Weight Each
196-A.....	16" x 6½" x 8"	3 lbs.
196-B.....	18" x 7" x 8"	3½ lbs.
196-C.....	20" x 7" x 9"	4 lbs.
196-D.....	22" x 7" x 10"	4½ lbs.

## PLUMBERS' TOOL ROLL

Plate No. 207



Made of 18 oz. white canvas. Has thirty pockets which are riveted and sewed. Edges are bound with leather binding. Furnished with two leather straps and leather handle for carrying purposes.

Size 56" x 24". Weight, each 3 lbs.



# Otto Bernz Co., Inc. Established 1876 "Always Reliable" Mechanic's Tools Rochester, N. Y.

## PLUMBERS' TOOL BAGS

Made of carpet with small leather binding. Interior is lined and has a pocket.

**Plate No. 200**



Fitted with leather strap which encircles bag, and two smaller straps.

**Plate No. 202**



Sides and bottom are reinforced with leather. Fitted with leather strap which encircles bag, and two smaller straps.

**Plate No. 201**



Bottom is reinforced with leather. Fitted with leather strap which encircles bag, and two smaller straps.

**Plate No. 203**

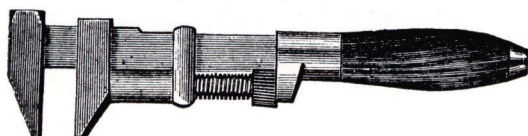


Fitted with two straps which encircle bag.

CAT. NO.	200	201	202	203
Size, inches.....	22 x 18	22 x 18	22 x 18	16 x 25
Weight, each, lbs.....	2¼	2½	2¾	2½

## MONKEY WRENCHES

**Plate No. 227**



Made entirely of malleable iron with the exception of the screw which is turned from cold rolled steel. The handle is made from hardwood which has two coats of varnish.

CAT. NO.	227-A	227-B	227-C	227-D	227-E
Size.....	6"	8"	10"	12"	15"
Weight, per dozen .....	9 lbs.	16 lbs.	24 lbs.	30 lbs.	42 lbs.



Established 1876

# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

## BUZZELL BASIN WRENCH

Plate No. 225



Entire tool is made of malleable iron.  
Weight per doz., 18 lbs.

## RILEY BASIN WRENCH

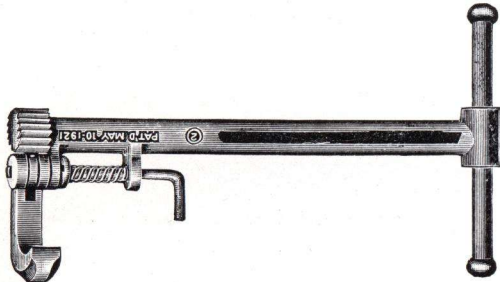
Plate No. 226



Entire tool is made of malleable iron.  
Weight per doz., 15 lbs.

## ANDREE BASIN WRENCH

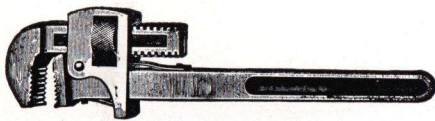
Plate No. 227



Made of drop forged steel with hardened grip teeth.  
8" long.  
Weight per doz., 12 lbs.

Has reversible jaw and operates either right or left by permitting bolt to be withdrawn. For basin nuts, ball cocks, flush valves. Furnished with large jaw. Can also be furnished with small jaws or both large and small jaws when specified.

Plate No. 228



With steel handle.  
6" to 48" inclusive.

## REGULAR STRAP WRENCHES

Plate No. 230



Used for polished pipe, tubing, hub caps or headlight rims. Furnished with 18" reversible strap of linen webbing having a breaking strain of 2000 lbs. Special length straps can be furnished for special purposes. For pipe capacity 1/2" to 2". Wrench is 12" long. Weight each 1 3/4 lbs.

## STRAPS FOR REGULAR STRAP WRENCHES

Plate shown under Plate No. 230

No. 231

Straps are made of linen webbing to give long service having a breaking strain of 2000 lbs. Standard size is 18" long x 1 1/8" wide. Special length straps can be furnished for special purposes. Weight per dozen 1 lb.

## WARNOCK STRAP WRENCHES

Plate No. 232



For smooth and polished pipe and tubing. The shackles are made from drop forgings and the handles are malleable iron. The straps are of linen and will give durable service.

CAT. NO.	232-A	232-B
Size, inches.....	12	18
Capacity, inches.....	1/8 to 2	1 to 5
Weight, per dozen, lbs.....	16 1/2	42 3/4

## STRAPS FOR WARNOCK STRAP WRENCHES

Plate shown under Plate No. 232

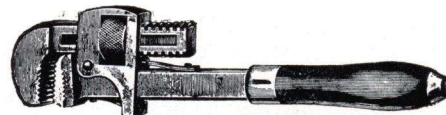
No. 233

Straps are made of linen webbing to give long service, having a breaking strain of 2000 lbs.

CAT. NO.	233-A	233-B
Size.....	For 12" wrenches	For 18" wrenches
Weight, per dozen.....	1 lb.	3 lbs.

## STILLSON WRENCHES

Plate No. 229



With wood handle.  
6" to 14" inclusive.

The jaw and bar are made of drop forged tool steel with teeth milled and hardened. The frame is malleable iron. The adjusting nut which is made of cold roll steel is knurled and hardened.

CAT. NO. 228 or 229.....	A	B	C	D	E	F	G	H
Size, inches.....	6	8	10	14	18	24	36	48
Weight, per dozen, lbs.....	4	9	17	35	52	93	188	320

NOTE—Cat. No. 229 can be furnished only for A, B, C and D.



# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

## PLAIN BRACES RATCHET BRACES

Plate No. 19

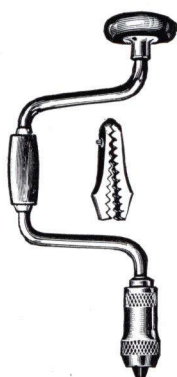
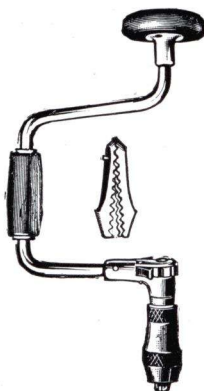


Plate No. 20



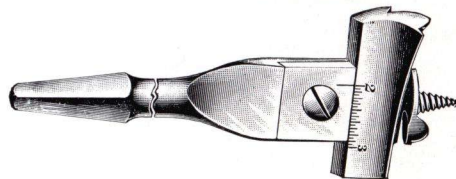
Exposed metal parts are polished. Head and handle are of stained hard wood. Alligator jaws are cast steel.

CAT. NO.	Size Sweep	Weight Per Doz.	CAT. NO.	Size Sweep	Weight Per Doz.
19-A.....	8"	15½ lbs.	20-A.....	8"	19½ lbs.
19-B.....	10"	21 lbs.	20-B.....	10"	25 lbs.
19-C.....	12"	23 lbs.	20-C.....	12"	27 lbs.



## EXPANSIVE BITS

Plate No. 88



Made of highest grade bit steel.

Each size furnished with two cutters.

CAT. NO.	Size	Capacity	Weight Per Doz.
88-A—Small.....	1½" to 1½"		3 lbs.
88-B—Large.....	1½" to 3"		9 lbs.

## GIMLETS

Plate No. 96



The bits are made of crucible steel. Fitted with a neat, varnished wood handle.

CAT. NO.	96-A	96-B	96-C	96-D
Size, inches.....	18	24	30	36
Weight, per dozen, lbs...	3	5	5¾	6¾

## BITS FOR BRACES

Plate No. 21

Made of steel especially adapted for this purpose.

CAT. NO.	21-A	21-B	21-C	21-D	21-E	21-F	21-G
Size, inches.....	¼	¾	1½	5/8	¾	7/8	1
Weight, per doz., lbs.....	1	1½	2¾	2¾	4	5	7

CAT. NO.	21-H	21-I	21-J	21-K	21-L	21-M	21-N	21-O
Size, inches.....	1½	1¼	1¾	1½	1½	1¾	1¾	2
Weight, per doz., lbs.....	8¾	10½	11¾	16¾	16¾	17	17¼	30

## GAS FITTERS' OR MUD AUGERS

Plate No. 1

Made of a special crucible steel especially adapted for augers. Twist 6" to 8" long. Always furnished with straight round shank about 12" long.



CAT. NO.	1-A	1-B	1-C	1-D	1-E	1-F	1-G	1-H	1-I	1-J
Auger Size, inches.....	5/8	¾	7/8	1	1¼	1½	1¾	2	2½	3
Pipe Size, inches.....	1¼	¾	1½	5/8	¾	1	1¼	1½	2	2½
Weight, per doz., lbs.....	12	18	20	22	24	27	42	44	48	55

## CANDLE HOLDER

Plate No. 22



Shank is made of steel, and holder is brass.

Weight per dozen 4 lbs.

## GAS FITTERS' CEMENT

Plate No. 27



Weight, per bar 1 lb.

## RULES

Plate No. 152



Two foot folding. Made of boxwood.

CAT. NO.	152	153
Style.....	Plain	Brass bound
Weight, per doz., lbs.....	1¼	2½



# Otto Bernz Co., Inc. Established 1876 "Always Reliable" Mechanic's Tools **Rochester, N. Y.**

## COMPASS SAWS

Plate No. 156

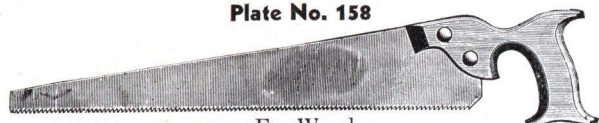


Made from a special steel which is carefully heat-treated and tempered so it will hold a good sharp cutting edge.

CAT. No.	Size	Weight Per Doz.
156-A.....	10"	3½ lbs.
156-B.....	12"	5 lbs.
156-C.....	14"	6 lbs.

## SINGLE EDGE SAWS

Plate No. 158



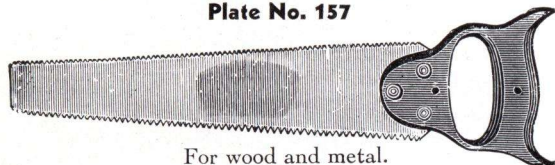
For Wood

Made from a special steel which is carefully heat-treated and tempered so it will hold a good sharp cutting edge.

CAT. No.	Size	Weight Per Doz.
158-A.....	12"	9 lbs.
158-B.....	14"	10½ lbs.

## DOUBLE EDGE SAWS

Plate No. 157



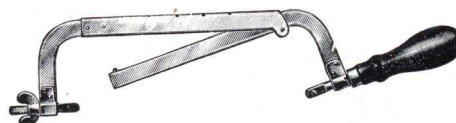
For wood and metal.

Made from a special steel which is carefully heat-treated and tempered so it will hold a good sharp cutting edge.

CAT. No.	Size	Weight Per Doz.
157-A.....	12"	10 lbs.
157-B.....	14"	11 lbs.

## ADJUSTABLE HACK SAW FRAME

Plate No. 159

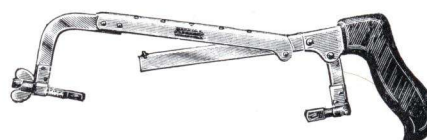


Made of cold drawn steel, heavily nickel plated. Handle furnished in mahogany finish. Furnished without blades unless otherwise ordered.

For 8 to 12 inch blades.  
Weight per dozen 12 lbs.

## PISTOL GRIP ADJUSTABLE HACK SAW FRAME

Plate No. 170



Has nickel plated all steel frame. Handle is corrugated steel in the popular pistol grip style. Furnished without blades.

For 8 to 12 inch blades.  
Weight per dozen 12 lbs.

## SOLID HACK SAW FRAME

Plate No. 160



Made of cold drawn steel, heavily nickel plated. Handle furnished in black enameled finish. Furnished without blades unless ordered otherwise.

For 8 inch blade.  
Weight per dozen 9 lbs.

## BLADES FOR HACK SAW FRAMES

Plate No. 161



Made of finest quality tungsten steel with flexible backs and hardened teeth.

CAT. No.	161-A	161-B	161-C
Size, inches.....	8	10	12
Weight, per gross, lbs.....	4½	5¾	6¼

## SCREW DRIVERS

Plate No. 162



Blades are made of good grade steel and are fastened into handle so they cannot turn. Fitted with long steel ferrule.

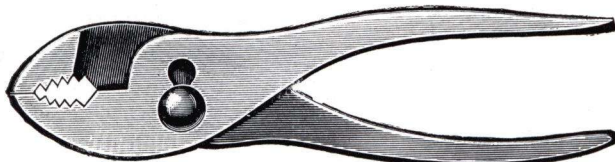
CAT. No.	162-A	162-B	162-C	162-D	162-E	162-F	162-G	162-H
Size, inches.....	2	3	4	5	6	8	10	12
Weight, per doz., lbs.....	1½	2¼	3	3½	4	6	7	8



# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

## REGULAR COMBINATION PLIERS

Plate No. 138



Made of forged steel, with knurled handle.

CAT. No.	Size	Finish	Weight Per Doz.
138-A	5"	Heavy nickel plate.....	3 lbs.
138-B	5"	Black.....	3 lbs.
138-C	6"	Heavy nickel plate.....	6 lbs.
138-D	6"	Dull nickel plate.....	6 lbs.
138-E	6"	Black.....	6 lbs.
138-F	8"	Heavy nickel plate.....	8 lbs.
138-G	8"	Black.....	8 lbs.
138-H	10"	Heavy nickel plate.....	12 lbs.
138-I	10"	Black.....	12 lbs.

## BURNER PLIERS

Plate No. 137

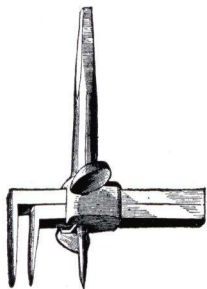


Made of forged steel, full polished finish.

CAT. No.	137-A	137-B
Size, inches.....	5	6
Weight, per dozen, lbs.....	2½	3¾

## REGULAR WASHER CUTTER

Plate No. 208

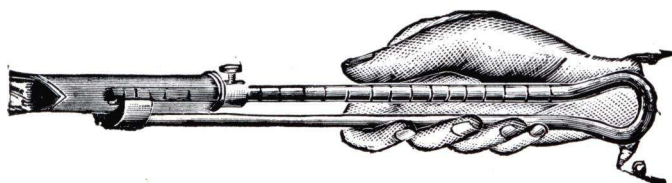


Shank is made of malleable iron and cutters are made of a good tool steel. Will cut washers from ½" to 6" diam.

Weight per dozen 3¾ lbs.

## GAUGE GLASS CUTTER

Plate No. 234



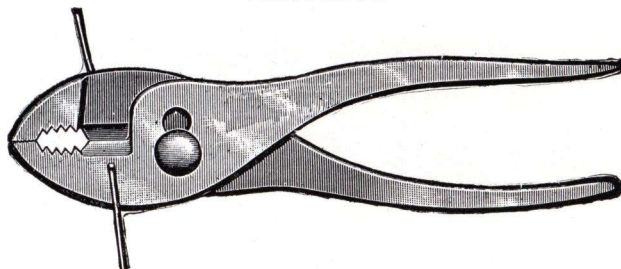
## OILERS

Made from drawn steel with clock spring steel bottoms. Heavily copper plated inside and out.

CAT. No.	126-A	126-B	126-C	126-D	126-E	126-F	126-G	126-H
Size No.....	12	13	13A	14	14A	14AA	15	15A
Diameter, inches.....	2⅞	3½	3½	3½	3¾	3¾	4¼	4¼
Length Spout, inches.....	3	3	5	9 (bent)	3	5	3	5
Capacity, pint.....	¼	⅓	⅓	⅓	½	½	1	1
Weight, per doz., lbs.....	2¼	2¾	2¾	3	3¼	3¼	3¾	3¾

## SIDE CUTTING COMBINATION PLIERS

Plate No. 141



Made of forged steel.

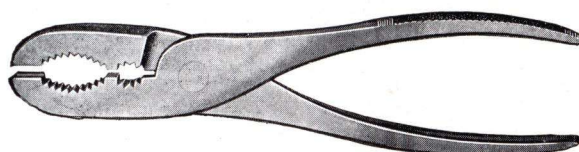
Handles are smooth with screw driver end.

6" size only heavy nickel plate.

Weight per dozen 6 lbs.

## GAS PLIERS

Plate No. 143

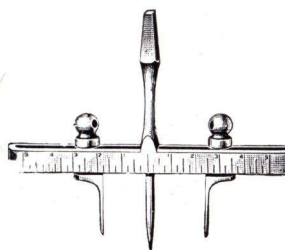


Made of forged steel. Full polished finish.

CAT. No.	143-A	143-B	143-C	143-D	143-E	143-F
Size, inches.....	7	8	9	10	12	14
Weight, per doz., lbs.	5¼	8	9	11½	16	21

## REGISTERING WASHER CUTTERS

Plate No. 210



Shanks are made of malleable iron and cutters are of a good tool steel.

CAT. No.	210-A	210-B
Size No.....	Small	Large
Capacity, inches ½ to 4	1 to 5	
Weight, per doz., lbs.....	5¼	5¾

Plate No. 126



Made of spring steel, heavily japanned. Cutting wheel is tool steel.

Weight per dozen 3 lbs.

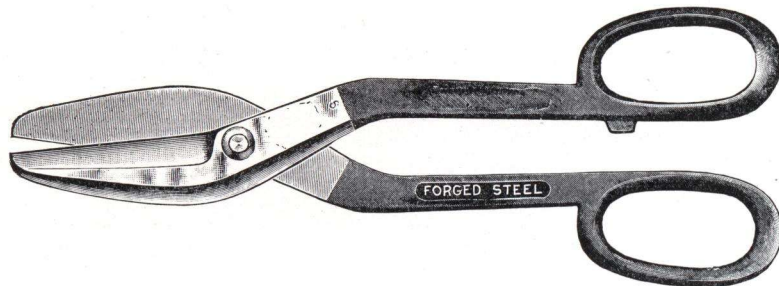


Established 1876

# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

## TINNERS' STRAIGHT SNIPS

Plate No. 197



Bar tool steel laid blades. Handles are of forged steel in blue finish.

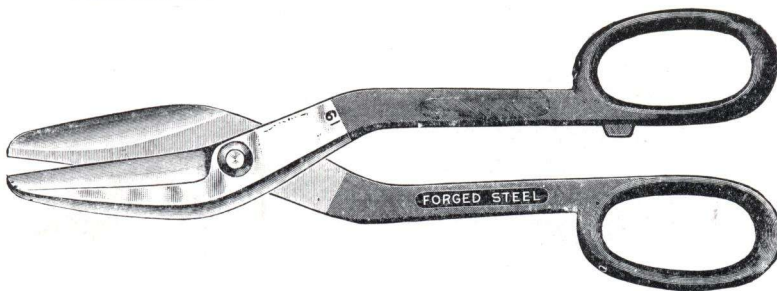
CAT. No.	Size No.	Length of cut	Length Overall	Weight Per Doz.
197-A.....	6½	4½"	15½"	42 lbs.
197-B.....	7	4"	14"	37½ lbs.
197-C.....	8	3½"	13"	30 lbs.
197-D.....	9	3"	12"	24 lbs.
197-E.....	10	2½"	11"	18 lbs.
197-F.....	11	2¼"	9"	9 lbs.
197-G.....	12	2"	8"	6 lbs.

## TINNERS' COMBINATION SNIPS

Plate No. 199

Bar tool steel laid blades. Handles are of forged steel and in blue finish. This style for straight, circular, and irregular shapes.

CAT. No.	Size No.	Length of Cut	Length Overall	Weight Per Doz.
199-A.....	17	4"	14"	33 lbs.
199-B.....	18	3½"	13"	30 lbs.
199-C.....	19	3"	12"	21 lbs.
199-D.....	110	2½"	11"	18 lbs.



## TINNERS' CIRCULAR SNIPS

Plate No. 198



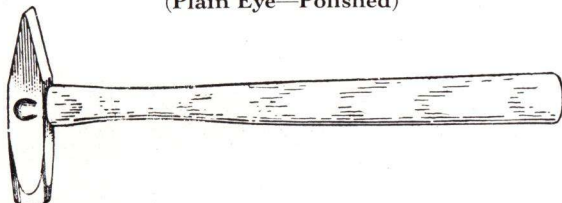
Bar tool steel laid blades. Handles are of forged steel in blue finish.

CAT. No.	Size No.	Length of Cut	Length Overall	Weight Per Doz.
198-A.....	6½	4½"	15½"	45 lbs.
198-B.....	7	4"	14"	36 lbs.
198-C.....	8	3½"	13"	27 lbs.
198-D.....	9	3"	12"	24 lbs.
198-E.....	10	2½"	11"	18 lbs.
198-F.....	11	2¼"	9"	9 lbs.
198-G.....	12	2"	8"	6 lbs.

## RIVETING HAMMERS

Plate No. 105

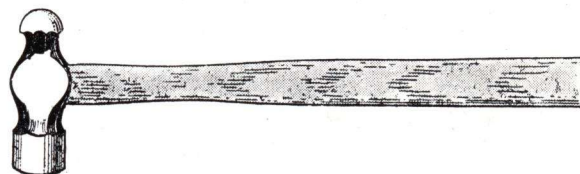
(Plain Eye—Polished)



## MACHINISTS' HAMMERS

BALL PEIN

Plate No. 106



Heads are made of forged steel and polished. Handles are made of hickory. Weights do not include handles.

CAT. No.	Size	Weight Per Doz.
105-A.....	8 oz.	9 lbs.
105-B.....	12 oz.	14 lbs.
105-C.....	16 oz.	16 lbs.
105-D.....	20 oz.	20½ lbs.

CAT. No.	Size	Weight Per Doz.
106-A	4 oz.	5 lbs.
106-B	6 oz.	7 lbs.
106-C	8 oz.	10 lbs.
106-D	12 oz.	13 lbs.
106-E	1 lb.	16½ lbs.
106-F	1¼ lbs.	21 lbs.

CAT. No.	Size	Weight Per Doz.
106-G	1½ lbs.	23½ lbs.
106-H	1¾ lbs.	26½ lbs.
106-I	2 lbs.	30 lbs.
106-J	2½ lbs.	38¼ lbs.
106-K	3 lbs.	45 lbs.



# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

## DOUBLE CALIPERS

Plate No. 23

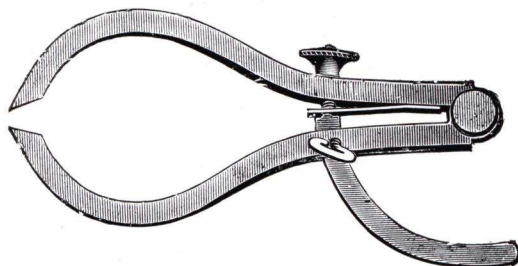


Made from sheet steel. Extra heavy washers are used which make firm, reliable joints.

CAT. NO.	23-A	23-B	23-C	23-D
Size, inches.....	3	4	5	6
Weight, per dozen, lbs.	1/2	1/2	1 1/4	1 1/2

## WING CALIPERS

Plate No. 26

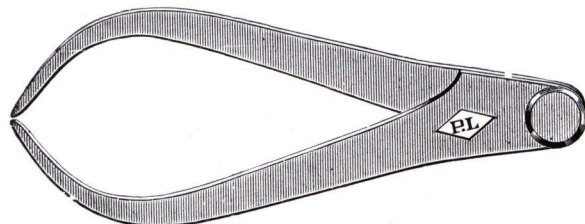


Made of good steel. Extra heavy washers are used which make firm, reliable joints.

CAT. NO.	26-A	26-B	26-C	26-D
Size, inches.....	6	8	10	12
Weight, per dozen, lbs...	3 1/2	4 3/4	8 1/4	10 3/4

## OUTSIDE CALIPERS

Plate No. 25



Made from sheet steel. Extra heavy washers are used which make firm, reliable joints.

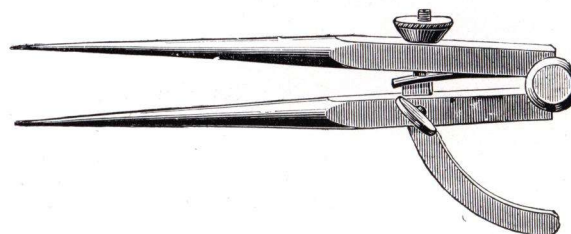
CAT. NO.	25-A	25-B	25-C	25-D
Size, inches.....	3	4	5	6
Weight, per dozen, lbs..	1/2	3/4	1 1/4	2

CAT. NO.	25-E	25-F	25-G	25-H
Size, inches.....	7	8	10	12
Weight, per dozen, lbs..	2 1/2	3	5 1/4	8 1/4

## WING DIVIDERS

Plate No. 220



The wing is made of the best iron wire bent and flattened by machinery. Washers are of brass. The points are carefully hardened and springs are carefully tempered and are made for easy adjustment while holding the legs firmly.

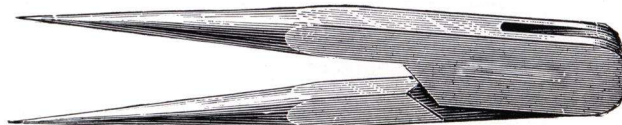
CAT. NO.	220-A	220-B	220-C	220-D	220-E
Size, inches.....	5	6	7	8	9
Weight, per doz., lbs....	2 5/8	3	3 3/8	4	5 3/4

CAT. NO.	220-F	220-G	220-H	220-I
Size, inches.....	10	12	15	18
Weight, per doz., lbs....	6 3/4	9	19	20 1/2

## PLAIN COMPASSES

Plate No. 83



Made of good steel with hardened points. The joint is properly fitted and made firm which assures accurate adjustments.

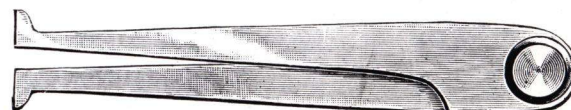
CAT. NO.	83-A	83-B	83-C	83-D	83-E
Size, inches.....	3	4	5	6	7
Weight, per doz., lbs...	1	1 1/4	1 1/2	2 1/4	2 3/4

CAT. NO.	83-F	83-G	83-H	83-I
Size, inches.....	8	9	10	12
Weight, per doz., lbs.....	3 1/4	5	5 3/4	7

## INSIDE CALIPERS

Plate No. 24



Made from sheet steel. Extra heavy washers are used which make firm, reliable joints.

CAT. NO.	24-A	24-B	24-C	24-D
Size, inches.....	3	4	5	6
Weight, per dozen, lbs..	1/2	3/4	1 1/8	1 3/4

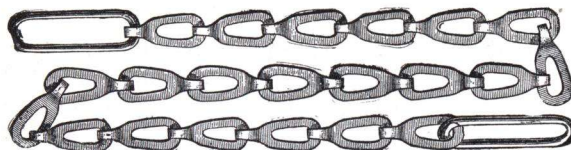
CAT. NO.	24-E	24-F	24-G	24-H
Size, inches.....	7	8	10	12
Weight, per dozen, lbs..	2 1/2	3	4 7/8	7 1/2



Established 1876  
**Otto Bernz Co., Inc.** "Always Reliable" Mechanic's Tools **Rochester, N. Y.**

**BRASS PLUMBERS' LINK CHAINS WITH SNAPS**

**Plate No. 52**



See prices and weights listed below.

**BASIN CHAINS, 16½" LONG**

CAT. NO.	52-A	52-B	52-C
Size Number.....	00	0	1
Price, per doz.....	\$1.00	\$1.20	\$1.40
Weight, per doz. lb.....	¾	½	¾

**WASH TRAY CHAINS, 19¾" LONG**

CAT. NO.	52-D	52-E	52-F	52-G
Size Number.....	00	0	1	2
Price, per doz.....	\$1.15	\$1.35	\$1.60	\$1.95
Weight, per doz. lbs.....	½	¾	1	1¼

**BATH TUB CHAINS, 26¼" LONG**

CAT. NO.	52-H	52-I	52-J	52-K
Size Number.....	00	0	1	2
Price, per doz.....	\$1.40	\$1.65	\$2.00	\$2.45
Weight, per doz. lbs.....	¾	1	1½	1¾

The following extras apply to the nickel plated finish: Basin chains, \$ .05 dozen net; Wash tray chains, \$ .06 dozen net; Bath tub chains, \$ .07 dozen net.

**BRASS PLUMBERS' LINK CHAIN**

**Plate No. 54**



See prices and weights listed below.

**BRASS SAFETY LINK CHAIN**

**Plate No. 55**



See prices and weights listed below.

CAT. NO. "Plumbers' Link"	54-A	54-B	54-C
CAT. NO. "Safety Link"	55-A	55-B	55-C
Size Number.....	00	0	1
Brass, price per hundred feet.....	\$4.00	\$5.00	\$6.25
Weight, per hundred feet, lbs.....	2	2½	3½

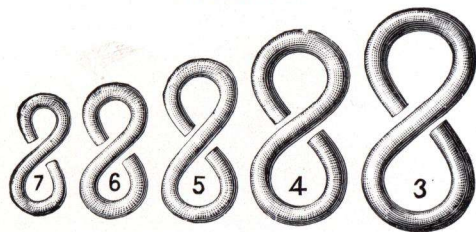
The following extra applies to the nickel plated finish: \$ .10 per hundred feet net.

Above chain is put up on reels of 500 feet.

When chain is attached to closet pulls, a small charge is made for assembling.

**S OR EIGHT HOOKS**

**Plate No. 57**



CAT. NO.	57-A	57-B	57-C	57-D	57-E	57-F	57-G
Size Number.....	1	2	3	4	5	6	7
Price, per gross.....	\$2.25	\$1.80	\$1.50	\$1.30	\$1.10	\$.90	\$.85
Weight, per gross, lbs....	2	1¾	1¼	1	¾	½	¼

The above prices apply only to the brass finish.

The following extras apply to the nickel plated finish:

Nos. 1, 2—\$ .12 gro. net.

Nos. 3, 4, 5, 6, 7—\$ .08 gro. net.

**BRASS SPLIT LINKS**

**Plate No. 56**



CAT. NO.	56-A	56-B
Size.....	Large	Small
Weight, per gross, lbs.....	1	½

An extra charge of \$ .10 per gross, net, is made for the nickel plated finish.

**PRICES SHOWN ARE LIST. SEE CURRENT NET PRICE LIST FOR DISCOUNT.**



# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

## CLOSET PULLS

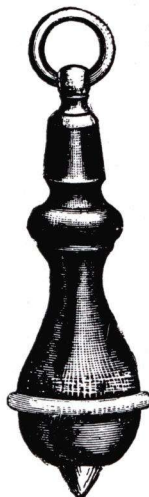
Made of Wood

Plate No. 69



Fitted with tight rubber ring. Rod through center. Can be furnished in any stained finish and in white or black enameled finish.

Plate No. 70



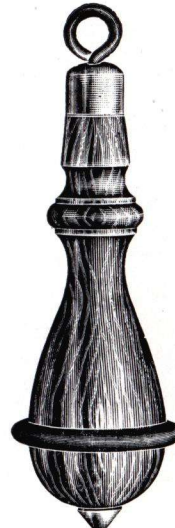
Fitted with tight rubber ring. No rod through center. Can be furnished in any stained finish and in white or black enameled finish.

Plate No. 75



Fitted with tight rubber ring. Rod through center. Can be furnished in any stained finish, and in white or black enameled finish.

Plate No. 77



Fitted with tight rubber ring. No rod through center. Can be furnished in any stained finish and in white or black enameled finish.

Plate No. 78



Fitted with tight rubber ring. No rod through center. Can be furnished in any stained finish and in white enameled finish.

Cat. Number.....	69	70	75	77	78
Weight, per doz., lbs.....	1½	1½	1½	1½	¾

Plate No. 71



No rubber ring nor rod through center. Can be furnished in any stained finish and in white enameled finish.

Plate No. 72



Fitted with tight screw eye. Can be furnished in rosewood or ebony finishes.

Plate No. 73



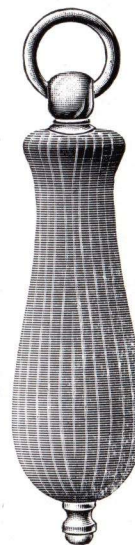
Fitted with cast iron top. Can be furnished in rosewood or ebony finishes.

Plate No. 76



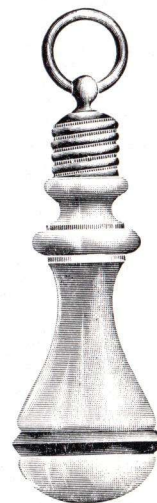
No rod through center. Can be furnished with loose rubber ring, when specified. Black enameled finish.

Plate No. 80



No rubber ring. Rod through center. Can be furnished in any stained finish.

Plate No. 79



This style made of crystal or opaque glass. Fitted with tight rubber ring. No rod through center.

Cat. Number.....	71	72	73	76	80	79
Weight per doz., lbs.....	1½	¾	1½	¾	1½	3¾



# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

Established 1876

## HANDLE GUIDES

Plate No. 101

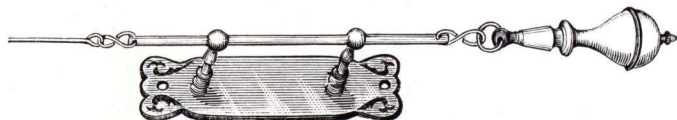


Guide plate is made of cast brass and posts are turned brass. Links are made from brass rod. All parts are heavily nickel plated.

Furnished with No. 69 white enameled closet pull and 4 one foot links to tank.

Weight, per dozen 18½ lbs.

Plate No. 102



Guide plate is made of cast brass and posts are turned brass. Links are made from brass rod. All parts are heavily nickel plated.

Furnished with No. 69 white enameled closet pull and 4 one foot links to tank.

Weight, per dozen 16½ lbs.

Plate No. 103



Guide plate is made of stamped sheet brass and posts are turned brass. Links are made from brass rod. All parts are heavily nickel plated.

Furnished with No. 69 white enameled closet pull and 4 one foot links to tank.

Weight, per dozen 11½ lbs.

The above guides can be furnished with any of the closet pulls shown on page 37.  
Prices will be charged according to the pulls accepted.

## CHAIN STAYS

Plate No. 58



Made of stamped sheet brass and turned brass rod, heavily nickel plated. The threaded end and nut are furnished in plain brass.

Weight per gross 9 lbs.

Plate No. 59



Made of cast brass, heavily nickel plated. The threaded end and nut are furnished in plain brass.

CAT. No.	Weight, per gross
No. 59.....	18 lbs.
No. 60.....	24 lbs.

Plate No. 60



## COCK HOLE COVERS

Plate No. 81



Head is made of cast brass. Threaded end and nut are also brass. Head is nickel plated.

This style for basins.  
Diameter of top 1½".

CAT. No.	81	82
Weight, per gross, lbs.	22½	27

Plate No. 82



Head and flange are made of cast brass. Threaded end is also brass. Head is nickel plated.

This style for bath tubs.  
Diameter of top 1¾".

## HOSE ATTACHMENTS

Plate No. 100



Made of cast brass, with threaded end. Cap is made from sheet brass.

CAT. No.	Size	Weight Per Doz.
100-A.....	½"	4 lbs.
100-B.....	⅝"	4½ lbs.



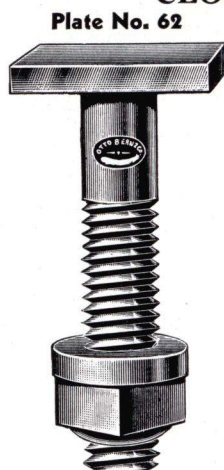
# Otto Bernz Co., Inc. "Always Reliable" Mechanic's Tools Rochester, N. Y.

Established 1876

## CLOSET BOLTS



Made of cast brass.



Made of cast brass.



Made of cast brass.



Made from brass rod with brass stamped base.

All bolts, unless otherwise ordered, are furnished with nickel plated brass open square head.

CAT. No.	61	62	63	64-A	64-B	64-C	64-D
Length under head inches.....	1½	1¾	1½	1½	2	2½	3
Diameter, inches.....	5/16	5/16	1/4	1/4	1/4	1/4	1/4
Weight, per M, lbs.....	57½	47	68	40	45	50	55

## CLOSET SCREWS

**Plate No. 65**



Length 2½", diameter ¼", with nickel plated brass closed square head.

**Plate No. 66**



Length 2½", diameter ¼", with nickel plated brass closed hexagon head.

Screws furnished in brass, iron, and iron brass plated.

CAT. No.	Kind	Weight Per M
65-A—Brass.....		62½ lbs.
65-B—Iron.....		62½ lbs.
65-C—Iron, brass plated.....		62½ lbs.

CAT. No.	Kind	Weight Per M
66-A—Brass.....		104 lbs.
66-B—Iron.....		104 lbs.
66-C—Iron, brass plated.....		104 lbs.

## WASHERS FOR BOLTS AND SCREWS

**Plate No. 67**

**Plate No. 68**



Made of brass, heavily nickel plated.

CAT. No.	67-A	67-B	68-A	68-B
Size, inches.....	¾	1	1¼ x ¾	1¼ x ¾
Thickness, inches.....	.020	.025	.025	.025
Weight, per M, lbs.....	3½	4¾	5¾	7½

## GUTTER STRAINERS

**Plate No. 99**

Made of galvanized iron wire.



CAT. No.	99-A	99-B	99-C	99-D	99-E
Size, inches.....	2	3	4	5	6
Weight, per doz., lbs.....	1	1½	2½	4¼	7











